Gene	No.	Clone			Accessions
					AX014325, M32405, E06005, J02983, AC010180, E01535, AB005624, M19393, E06003, E01534, M33330, M33331, D11388, D10167, AC005330, AL080060, U09759, and AA074254.
HDTMK30	48	840862	1 - 518	15 - 532	AI831962, BE676430, AW162549, AI017574, AI017570, AI935049, AW951729, AW070785, AW160944, AI433969, BE379169, AA316765, AI208340, BE908740, AA570273, AA308469, AA932397, AA971868, AW328383, AI302264, AA335512, AI375912, F20835, AW050941, N40545, N46592, AW438545, AI276310, N92934, R70374, AI590641, BE395213, AA873604, AI610571, AA648290, AI392906, AA629912, T94441, AI580872, AV706442, AW438488, T94528, AA906326, AA621581, AI261782, AI095210, AA910827, BE392525, BE833101, N56229, U09770, AP000358, AP000359, AC024247, U58630, and M13018.
HDPFX64	49	841088	1 - 1368	15 - 1382	BF690243, AI635310, AV705585, BF967716, AW516059, BG171153, BE379346, BG165946, BE262120, AW103919, AA586820, BE270450, AA580196, AW392940, BF689694, AA809239, AI023735, AI031575, AI038145, BF212877, AV653577, AW025039, W46346, BE727824, AW005149, N94381, AA931405, AI309211, AI341743, AW024649, AI093535, AI369772, W47346, W16578, W42813, AW945189, AV705723, BF132768, AA992145, AW675359, AA907868, AA070469, AW135787, AI300765, AA776545, AA490938, AW606545, AI025359, AV694879, W46347, BG036926, AA725448, AW750158, N66103, AI244482, AI765611, AI344462, AI680024, H05080, R42090, AV703075, AV719545, AA916199, AW386885, W42724, AA576647, AW025028, F00072, R00895, AV683358, AW581256, AV695314, AV684515, W57707, AW945190, AV691040, BE831134, AV693290, N79589, W57783, BE711900, AA362580, AA745683, AI033697, AW581255, R88810, BF132335, AW951545, AV685847, AA374786, T29875, BF903989, AV696538, D11601, AA491124, T16992, AI914576, AA305378, W31989, BF953874, AW197238, R21561, BE140647, BF959687, BF959697, H05540, R42941, AW406968, W47450, J02888, AB050248, U07736, U07732, U07733, U07734, U07735, and U07731.
HODFG71	50	843485	1 - 2226	15 - 2240	AC019187, AF235098, AL049743, AL050335, AP001675, AC010348, AP000431, AC010283, AC005409, AC002554, and AC006992.
HCE3165	51	844534	1 - 288	15 - 302	BF380320, BF770784, BF770772, BF770765, BF770108, BG109313, BE884633, BG110701, BF770763, BF380303, BF848233, BF770117, AW753076, N94851, BE887181, AW384469, AW384552, BE771991, H21705, AI741955, AI963814, AW299769, AI917621, AI742118, R55420, H42724, AW205801, AI394684, AW360906, AW578414, Z19511, U91329, AB014606, and AC004771.
HSAVH65	52	847355	1 - 758	15 - 772	AW080832, AI693734, BF793712, AI564525, BE869501, BF037343, AV719716, AW024144, AA523950, AW475057, BF827012, AI185475, AI197788, AI708671, AV660309, and AR062277.
HBXFT41	53	847647	1 - 989	15 - 1003	AA778868, AA679725, AA361583, BE727943, BE798065, AA626529, T19700, AA384998, AA374709, AI908896, AI908908, BE255062, AW245790, AA280060, AI114472, AV726479, AA085949, AA081907, BE269296, AV709611, BF725352, AV714707, AV706440, BE790718,

					BE296483, BE745172, AV755536, BE274694, AU119430, BE744131, AU119428, AU119550, BE746420, BE620078, BF674845, BG260326, BF665845, BE254030, BE791005, BG119741, BF037583, BE744908, BF983949, BG251764, BF571453, BE898540, BE792102, BE729491, AI908937, AI908942, AI908943, AI908935, AI908888, BE747668, BE612555, BE620616, AI908938, AI908907, BE794070, AI908939, AU142280, AI908936, AI908930, BF308923, AI908944, BF208892, BE739876, BE746956, BE792493, AU118023, BF983503, BE388929, BE866950, BF310784, BE562649, BE792512, BE729603, BE798377, BF306882, BE542411, N88908, BE732108, AV704181, BE280824, BE799494, BE733715, BF683813, BE796036, BE394532, BE787810, T70160, BF980664, T79052, BE793454, BE271512, AI908946, AV752006, BE304426, AV752905, BE259857, BE798780, BE743625, BE796415, BE279618, BE410674, BE276446, BG027214, BE784784, BE384913, BE264022, BE382420, BE383098, BG122701, BE733796, BG254133, L02426, AL356747, and AC008774.
HBMCM38	54	847821	1 - 789	15 - 803	AA665893, AL080243, AJ277546, AC005056, AC005179, AC004671, and AC016597.
HACBO42	55	849064	1 - 1701	15 - 1715	AW961071, BE703222, AI703476, W51947, AA775876, AW118126, AW419310, BF055108, AI298553, AI168160, AA976583, AA931093, AI343013, AA622237, AI056138, AA101674, T19393, BF222266, BE327125, F12518, T74004, AA825247, AI348336, BE173228, H08634, AA757564, T32177, H08635, BF061085, BF060724, BF446952, F10138, BF058335, BE502582, AW051846, AA426547, T87212, D81092, AI690133, D55877, and AB040799.
HODBF86	56	859572	1 - 913	15 - 927	AV694711, and AL049744.
HOABP90	57	859622	1 - 1239	15 - 1253	H84974, AI915939, BE396949, D51418, AA158104, D51544, AA828306, AC006387, A12297, M31158, J05692, and M12492.
HE8UE42	58	862010	1 - 1640	15 - 1654	AL515943, AL520278, AL531137, AL515942, AL520279, AI217895, AW960744, BF970078, BF001249, BF036496, BE395420, AI983150, BE277851, AW385698, BF979048, BF688139, AW374106, BE395502, AI660124, BF541042, BF210794, BF036241, BE567389, BE778929, BF103631, BF209890, AI339010, AW374124, AA166971, BE564629, BE971080, BE276625, BF509403, AA542906, AA689356, BF695952, AI285269, AI346870, BF541205, BF030313, BF243030, N27706, AW236815, BE567683, AI821074, AI821227, BE566782, AA166818, AL134542, BF570861, BF059406, AA836112, BF130491, BF695731, D20721, BF677074, AI221030, BG118818, BF106059, AA627350, AW027663, N35710, BF674060, BF029128, BE933681, BE933586, AI221246, AI285231, AW372396, T95430, AW372395, AI699709, AL134543, AA055338, AA449417, AW197834, BF030982, R83129, AI418208, AA375954, AA450383, AW958166, AA961046, N20259, AA336834, AA226636, AI911109, AA225691, N20865, AA825421, AI932769, AA938413, AW197872, C03633, AA370379, N29162, AI620095, AA055337, BE694074, AI932771, BF697063, BE468082, AA976076, AI821821, AA173926, AA173884, BE857593, AA569611, AI821883, AA772955, AW383971, BE898721, AI921241, AJ224875, and AF271985.
HUSJJ59	59	862481	1 - 476	15 - 490	BE907643, AW327356, AV735093, BF792025, BG164383, AV756498, BG109142, BG029612,

					Accession numbers
					BG109661, AI686064, AW104310, AI524513, AV744389, AA128297, BE560561, AV757265, F36107, AII25537, H72703, AI302668, BF678743, AV682013, BE905381, AA130380, F27615, BF216773, AV712461, AA934903, N99899, BE394168, AII25542, H72704, AI796626, AA314160, AW518185, W68325, BF975221, F24460, AI832538, F30577, W68324, AI497592, AA054941, AA872295, AA070687, AW006071, AV758709, AA962230, AW274476, AA884221, AII97806, AI198400, AW005308, T79469, AA302263, AII39027, AA722653, AA594400, BE737684, AI718047, AA652237, BG008943, AI302442, AA054942, BF'680026, AI245664, F25027, N63141, AA927181, BF207713, F36673, AA846168, AI660015, AA908189, D50999, AA329037, BE738658, AI589655, AI499968, AA366606, F30607, AV711850, AA515879, BF238919, BE041814, F26441, AA769698, T79560, F34346, BF214417, T97719, AA483049, BF091216, AI207479, AA302083, BF216648, W25240, T97822, BG059341, AA687617, T85228, AA492203, AW793013, AA535395, AA602796, AW238261, AA216085, F24359, T89188, AW514738, BE615484, AA649489, BF246601, AA642762, AA935966, AV743817, AA634729, AA886084, AV744110, BF239063, W55855, BF383068, AA344058, BG099692, T24567, AA062811, BE707385, BF246068, R29682, BG230802, BG231094, AW362810, AW131255, AA128316, BE567457, R31939, AF085986, AF070661, AF086763, U73629, AC004770, AC004228, AF119902, and AF137396.
HSSDM07	60	863515	1 - 2584	15 - 2598	BE886761, AL520319, AW966039, BG252451, AL520320, AW375346, BE733511, BG114170, BF965742, BE559952, AW992850, AI829890, AI762105, BE788349, AII40601, AW365644, AI720778, BE740440, AW138255, AI826338, BE502698, AA609490, BE927727, AI337251, AA971588, AW971588, AW000925, AW301625, AII26519, AW673462, BF445347, BE327631, AW451288, BF111138, AI948721, R56414, AI684485, AI024528, BF111141, AA971582, AW675784, BE410672, AI363500, AW192954, AA565322, AI420978, AI263464, AW300687, BE348598, AI218550, AI369735, BE552303, R52184, W15529, AA022472, AA992460, N92817, BF091934, W31215, AI500339, AI906867, W39653, BE884207, AA255525, BE743589, BE674618, AV653705, BE618430, AA456635, AA772558, H29107, AW168492, BF026061, R56415, Z43129, BE387896, AA889111, R52092, BE811013, BE810908, BE810888, BE810898, BE810993, Z39214, BE810943, BE831903, AA322368, BE831912, BE810913, BE810939, BE810936, BF984499, T30757, AW901051, BE811016, AA364978, F02409, W04545, BE810887, BE810911, AI650748, BE810949, H29005, AW581134, AW581202, BE810871, AA490627, AA382734, AA256709, BE810969, AA023006, BE811003, W26238, BF529119, AW581211, AI783932, AW385906, F33591, R11750, BE963464, AA382733, W24938, C00533, BF092258, BF092249, AL122054, AL137324, and U67085.
HBCBW52	61	866444	1 - 1488	15 - 1502	AI732563, AI732596, AW469418, AA132859, AA132947, AA053416, AA131083, AA131111, AA053401, AI439525, AV756663, AA525818, AW974363, AW020094, AW021399, AI521525, AI572680, AI049999, AW020150, AI348780, AI797998, BF814446,

AV683406, AI926102, AI744890, AW501278, AW008217, AA584765, AI431442, AI355246,
AV717475, BF834298, AU147761, AV732057, AW072963, AI061468, H60912, BF828756,
AW963489, AA595661, AA669238, AW083706, AV730440, W45215, R99532, AA639155,
AI887468, AI828721, AA487569, AW880986, AI251696, AI254508, AU151751, BG166172,
AI925717, BG223498, AA601376, C14614, AA689351, BF983604, BE152006, AA501807,
AA536040, AA084609, AI537368, BG231195, AW265449, BF876252, AA550837, AI419390,
AI568260, AA074086, AI755227, AI421783, AA182577, BF949151, BG110480, AL134700,
AA489390, BE245576, AA493947, AF186190, AC010458, U62293, AC007308, AC020916,
Z93241, AL161670, AC008760, AC005056, AC002470, AC005080, AC005820, AL031005,
AC027644, AC020913, AL136087, AL049829, AL132777, AL109797, AC000025, Z98036,
AL022316, AL133211, AC005902, Z75407, AC011452, AL031602, AC005736, AC004816,
Z93244, AP001435, AC026431, AL008582, AL009181, U63721, AL008726, AC010267,
U15177, AC005197, AC002059, AC010150, Z84476, AC005527, AP000359, AL109897,
AP000704, AL358975, AC005378, AP000008, AD000092, U96629, AP000133, AP000211,
AC007238, AF130358, Z98048, AL050335, AFI11168, AF001552, AC011500, AF129756,
AL109801, AC005529, AL078615, AC007050, AC022516, AL049569, AC004552, AC008537,
AC006556, AF254983, AC005052, AC005522, AL353701, AC011455, AL133229, AC009116,
AC007057, AL035658, AC004000, AL158040, AL163201, AC010463, AC007739, AL161445,
AL357374, AP001715, AL133355, AL121983, AL135744, AL096701, AC011480, AL031847,
AC008264, AL050341, AC004802, AP001711, AC005523, AL049833, AF053356, AC010328,
AC002091, Z95327, Z86090, AL356090, AC010618, AL360157, AL109935, AL139343,
AC005089, Z93017, Z93023, AC022407, AL035407, AC005859, Z98752, AC004883,
AL133163, AL359382, AL133246, L78810, AC008784, AL020997, AP001727, AC005911,
AC004893, AC004476, AC002430, AC010605, AC008753, AL353653, AC005225, AC007384,
AC008805, AL117338, AC004938, AC007216, AF001550, Z93015, AC002316, AC002425,
AC010102, AL132657, AC024947, AL049872, AC005480, AC006274, AL031677, AD000812,
AC003663, AC005586, AL117334, AC005913, AL035249, AC007919, AC003982, AC004776,
AC002347, AL034379, AC005800, AC008724, Z97632, AP000688, AL049764, AL353812,
AL353152, AL109952, AC011491, AL049760, AF064857, AC003098, AC007686, AC005740,
AL109840, AC005919, AL356801, AC009396, AL359846, AC009238, AC003007, AL023553,
AC007204, AC010223, AC010422, Z99128, AL136304, AC004808, AL021877, AL356575,
AL080242, AC004491, AL096870, AC009756, AC005164, AC004099, AL023281, AC003043,
AF181896, AC005696, AL121886, AL050307, AC007051, AC006125, AL021546, AC008044,
AL138759, AF217403, AC006449, AC022401, AL008710, AL078591, Z99716, AL121588,
AC005841, AL121872, AC009244, AP001748, AC018644, AC015971, AC008403, AC004810,
AC004965, Z96074, AL121903, AC006070, AL391602, AL035667, AC004098, AC027319,
AL162615, AC011508, AL139295, AC006236, AC020906, AL049776, AC008569, AC007263,

HOGAS18	62	867969	1 - 906	15 - 920	AL049843, AC078889, AC005231, AL096840, and AC013434.
					AV759518, AW827240, AI133297, BF347791, AI932493, AW827130, AL042753, AV762395, AA483929, AW023990, BF347740, AI751216, BF337291, BG153869, AW857802, AI499588, AA846952, BE065673, AA664909, AV739452, T06754, BF679256, AI039584, AW872348, BE782280, AV755907, AL039145, AW020340, AI583283, AA633753, AV745092, AW827120, AA961035, AI471887, BF677892, AA634889, BG249643, AA458703, AW963750, AL038705, BG109996, AL119691, AV733824, AW275510, AL135377, AW512484, AV742875, AW235497, AW168618, AI538870, AW270343, AA531079, AU140328, BE297262, AI345157, AA547947, AW021735, BF437493, AA584167, AV736964, AV710066, BF816072, AA533303, AI687343, BF885142, AV733627, BF902055, AW866226, AI445674, AI732547, R86151, AW303002, AW960545, AI247199, AA661921, AV763550, AI284640, AV764307, AI536665, AI872020, AA569471, BE378770, AW021207, AW472872, AV740801, AI311927, AW149339, AW969870, R24887, AV764578, AA101689, BE252421, BE139146, H71429, BF942454, AA467932, AA639326, AA493695, BE147488, BE973754, AL046409, AI956124, BF698704, AW302903, AW084466, AV734666, AL045808, AL046156, AI568678, BF738242, AW148507, AV760378, BE164494, AI888759, BF874664, AA468022, AV760207, AI801482, AL042853, AI798266, AA533333, BF691714, AW968181, D58349, AI873990, AV762098, AV761547, BG113106, AW302013, AV738993, AI382825, BE253048, BF970654, AA632600, BE967622, BF699964, BF185578, AV730301, AA541423, BE907585, AA502104, AA309257, AV710996, AA320966, BF697673, AA490183, AA954924, AW327868, AW419237, AL048925, AV703942, AV707949, AA683238, BF792954, AW833862, BF792883, AV763354, AL044940, AI969436, BF681661, BF680084, AV763971, AL044904, AU121503, AA765736, AA650211, AA847499, BF853144, AI270117, AL049766, AB037825, X55933, AC073316, L47228, X55929, AC006483, AL031279, U67831, AL008718, AL136980, AC005900, AL359763, X54177, M37551, AL136311, X54179, AC006930, AC023154, AL049870, U57005, AC003108, AC002310, X54181, X54175, U57008, AL080315, X75335, U18392, U18394, AB023798, AL354670, AC016939, AF109907, AC005221, AC005815, AC007881, U57006, AF038458, U18395, I51997, AC007014, AL035455, AK024741, AC007537, AC010282, AL031774, AL137019, AC003101, U07562, AC016601, AC007226, AC007907, U18391, AP000962, AC005180, AC006530, AL356414, AC004890, U57007, AL161422, AC020934, AC004150, AC025593, AL049760, AC002115, AC025447, AP001667, AC010154, AC020956, AP000472, AC007298, AL445225, AP000307, AL391119, X55926, AC008960, AF015151, AL355094, AL022163, AC006226, AC023275, AC006211, AL157776, AC007671, AC004977, AC005527, AL162377, U18393, AC007546, AL121886, AC009244, AL031281, AP001683, AC035150, AC025434, AL135927, AC007227, AL031847, AC008033, AP000088, AC034246, AL050318, AL122001, AC020904, AC008733, AP000550, AC015651, AL096840, Z83733,

Clone	SEQ ID				Accession numbers
					AL096861, AC006965, AC010271, Z93023, AL135785, M89651, X68500, AC009226, AC004381, AK026037, AC010643, AC012351, AC005146, AC024168, AC010102, AC004634, AC005944, AP000961, AL162872, AC005406, AC017019, AL049749, AP001054, AC002468, AC005046, AP001820, AL022238, AL161665, AC010170, D83989, AL022725, AL023494, X12919, AF064859, AC011548, AL035587, AC078842, AC022542, AK024096, AL031846, AL356299, AL049796, AL157760, AL159152, AC006254, AC004631, AC004712, AL135928, AB051144, AL356280, AC005179, AC016543, U57009, AL117347, AC016025, AC005015, U18387, AC005212, AL161731, AP001694, Z83822, AC004263, AL109965, AL138759, AL133276, AL049758, AC026723, AL110292, AC006037, AL136295, AL137786, AC011484, AL079303, AC007051, AL157951, U62317, AL022721, AL135786, AC011738, AC005004, AL136223, X76070, X55927, AC005261, AC007919, Z86062, AC004990, AC007749, X53550, Z83818, AL049712, AP000280, AC002119, AP000553, Z83826, AC012068, AC005881, AL008728, AL109840, Z98200, AL109976, AC023105, AC005535, AC022493, AC005771, AL138688, AP001598, AC008664, AL354834, AL353701, AF064858, AL031289, AC008521, AC008267, AF010238, AC006050, AC008745, AB012176, AC005747, Z71187, AL162615, AL023882, AC007666, AL138717, AK021821, U67801, AC012055, AP001415, AC004230, AC018662, and AL157756.
HHSDL18	63	869701	1 - 1374	15 - 1388	AA812573, AL518998, AW972473, W73306, AL522221, AI809692, AA513449, BE501387, AI148527, AW452872, AW245994, AA954445, H57889, AW183378, BE872438, AA813225, AI619978, BE794663, AW197888, BF088329, R24069, BF209308, W73041, BE502424, R24121, R26598, AW245458, AI929294, AA249846, AK024151, AL121754, AC008155, AC025593, AC004690, AC083870, AC005011, AL121897, and AL022238.
HTFMS34	64	870486	1 - 447	15 - 461	AW402328, AA354692, AA724612, AV758954, AV744331, AA158742, AI768253, AA353944, AW001224, AI857605, AU156990, AI830105, AA588890, AW979250, AW979200, AW974813, AW969719, AW979221, AW975126, AW970932, AW973116, AW975987, AW973183, AW975409, AW979220, AW973808, AW970064, AW979284, AW974983, AW972802, AW970030, AW971985, AW979197, AW975951, AW975012, AW971097, AU137027, AW974802, AW971070, AW970564, AW973136, AW970877, AW975928, AW974987, AW969682, AW973771, AW972762, AW973103, AW971963, AW979145, AW972699, AW975070, AW973217, AW973814, AW972417, AW979140, AW971068, AW976019, AW971949, AW976008, AW969751, AW975656, AW975004, AW979228, AW979194, AW969753, AW970875, AW970921, AW969735, AK024342, AL121928, AL050035, AL135904, AC004889, AL136137, AC009060, AC006480, AC005587, AC010605, AC005783, and AC005696.
HLDOG81	65	874506	1 - 1220	15 - 1234	AL521118, AW339982, AI827788, AI627750, AW575122, AL531441, BF967087, AL038656, AI888509, AW156877, AI094580, BE349949, AI963436, AI634293, AI891103, AW080820, AA910949, AW009916, AW338663, AL525766, AA514770, AL037705, AI924086, AI951034,

| HTXQF81 | 66 | 874608 | 1 - 1226 | 15 - 1240 | AI025380, AU151967, AL038657, AW778781, AI703238, N47212, AI688623, AI091742, N57407, AW188387, N32312, AW469366, AA860531, AW518859, AA863007, AA532789, AW188451, N66542, AI306506, W32410, AW188660, BE223067, AA601517, AI304931, AW338673, AA912494, C75275, AI050054, AI075117, W15332, W32856, AW084306, AV730060, AW081448, AA889232, AI302660, AA902855, AI888343, BE931227, AA507932, AA987475, W39423, AA938584, AA974132, W37293, F34503, AI621117, N27606, AW613309, N90139, AA987821, AA916382, AI299905, AA953919, AL525715, AI282708, AI473985, AI803426, AW591292, AW028183, AA825320, AW173786, AW338830, AI921646, AW157842, AA854048, AA910245, AA855143, R39105, AA989409, T28851, W37827, R63566, AW178890, AI673106, C75395, AA887708, BG108610, AA885915, AL526138, H19457, AI273149, AA911486, AW473237, AW265368, H42573, BF694671, AI457300, R63520, AA772638, AI824046, AW194001, AA548768, T11298, BE463489, AA813624, N91931, BF672787, AI811441, AI476381, BE828334, AW080982, AL525923, C75171, C01891, BG150929, AL521119, AA084007, AI554233, BF377199, AW884756, AA384963, F29838, BF797072, BF792586, BF971016, BF968453, BG106145, BF343702, BG168468, BG252929, BF983875, BG105758, BG261260, BG166291, BG249591, BG032919, BG030548, BF337945, BF969798, BG105318, BG104735, BG036520, BE782626, BG180793, BF793872, BF344164, BF525514, BG250790, BF795712, BG255388, BG260963, BF796661, BF969317, BF796402, BF969185, BG167415, BG259435, BG179486, BG113712, BG163646, BG111916, AL042009, BG180295, BF792054, AL039390, BG179586, BG111590, BG036465, BF968622, BG251851, BG165260, BG164495, BG108452, BG035330, BG164183, BG029194, BF797998, BG249858, BF980532, BF527274, BG027631, BG181100, BG169376, BG028019, BG166490, BG111100, BG171463, BG110518, BF797137, BG180200, BG164994, BG105848, BG259612, BF342312, BG250744, BG179183, BG170847, BG251076, BF527413, BE965842, AL046681, BF968504, BF345161, BG114865, BG259362, BG253110, BG252354, BG167751, BF345716, BG122277, BF526001, BG178669, BF794212, BF341270, AL031726, M25160, AF153191, X03747, U16799, AF202048, AF202049, M25159, X03883, X61433, J02701, Z99758, M75030, Z11797, U17061, and J02787. |
| | | | | | BE735657, BE794634, AI346435, BE794294, BF035725, BE540828, BE736917, BF971130, BE874911, BE875498, BG163362, BE619340, BE543544, AV708235, AI813687, BG168124, BG029001, BF310923, AV703089, BE546820, AI523881, BF034887, AI246030, BE515214, BE789330, AI565163, BG178201, AA402794, BE784412, BG169860, BE878355, BE393961, BG025146, BE880077, BE874897, BE790171, BE786644, AA477593, BF968299, BF259495, BG180371, AA161137, BE394326, BF130503, AI394235, AI814324, AW328354, BF978913, BE909230, AA873099, BF093785, AA887676, AW752983, AA622341, BE048130, BE266971, AA161115, BE909193, AW386295, BE870857, AI280907, AA421577, AA552244, AA574027, AA453330, AI523581, AA826619, BF677836, BF030389, AA464842, BE620003, AA766218, |

					Accessions
					BF939735, AA429353, N63397, AA464528, AA293567, BE393130, BE621337, BE621591, N98676, AI688036, AA897561, AI831467, AA424522, AI246562, BF978098, BF219064, AA160777, AI381579, AI991221, AA130549, AW001996, AI992166, AI857333, BF131906, AA424374, AA430526, AA777100, BE865692, AI148183, AA026078, AI332571, W92874, AA099121, AI057323, AII74284, AA421006, AI800148, AA293398, BE909077, AA856632, AA159370, AA453201, AI720789, AW001345, AA430611, AA428764, AA130586, N95686, AI819980, AA856698, AI831247, AA434191, BE621477, AA808470, AW406028, AW386371, BE880081, AA029925, F22574, AA454167, AA402802, AW272436, AI801083, AA430426, AA999657, AA832420, AI273391, AA857226, AI871010, AV763355, AW664325, H47425, AW518864, BE697609, AI598093, AA830492, AV760127, N73100, AA826723, AI904954, R96443, BF697607, AA086361, AA449966, BE964434, AW193589, AA505268, AA315443, AA053737, BF214130, AW304217, AA158842, AA947200, AA921703, AA115286, AV705607, AA758930, AI304791, H69012, AA429056, BE545935, AW302628, AW804779, AI091522, AI299197, AW328355, AI719387, AI086972, BF905782, AA661521, AI935183, AW572270, BE762364, AA053217, BE762365, AI337894, AW467641, AA588803, AI347946, BE698279, N66153, AI498213, BF732793, AW069810, H75395, AI587160, BF055282, AW387616, AI091629, AW387528, AA402306, AI457944, AI923632, AW387610, AI214251, W17167, AW951180, AI934695, AW387609, AW807818, AI089510, BE937323, AA723089, AA340466, AW807817, AV685409, AA687919, AA159162, AW387605, AW807890, AW387556, AI718119, AW387612, AW387532, AI261968, AA527012, AW387677, H47338, BF374464, AW387679, AA759077, BE937312, AW807895, BF571629, AW387539, AI261532, AW807739, BE841949, AA029924, AW387625, AA761238, AI830407, BE937330, AW387557, AW387547, BE842102, AW387583, AW807749, AX014336, L09604, AF196779, U93305, U16149, T95659, T99421, T99527, R96442, N92482, AA025486, AA043896, AA099122, AA100577, AA159465, AA513191, AA617664, AA285059, AA290976, AA477464, AA629238, AA853553, AA853552, AA852809, AA852810, D20308, AI197850, AI364502, AI368248, AI479890, and AI610373.
HCRNG90	67	874787	1 - 1061	15 - 1075	BE891902, AW271686, BE677446, AW025554, AI420969, AL521237, BE879239, AI202304, AA375089, BE245380, BE246652, BE547456, AA337142, BE879198, BF218778, X55740, D14541, J05214, L12059, and U21730.
HPWCL64	68	874891	1 - 653	15 - 667	AA531009, BF114862, BE645201, AI803060, BE746455, BF111457, AW058661, BG060155, AW957837, AI871128, AI040865, AI635619, AA279688, AA314121, AA291325, BE044274, AI300358, AI026031, AW136587, N48589, AI333491, AI217438, AA872204, AA313681, BG149853, AA761900, AA825668, N62189, AI742355, AI167192, AA782249, AI472224, AI027048, AA969624, AW957912, AW505197, AA907863, AW576584, AA279718, AA489085, AI356298, AA496950, AA490549, R81199, AI915658, AW500237, AW242542, BF109353, AA489150, H41907, F09870, AU126430, AV726684, BF061082, AI809172,

					AW139442, AI346557, Z39110, AU138809, AW505549, BF590603, AI346071, AI769499, AA948417, BF979316, AI261341, AI818467, AI658736, AW328021, AW328022, AA936846, BE326658, AA725007, AW804008, AI949826, BE720597, AA903934, AI240430, BE856850, BF745746, AA805276, T65227, AI698620, BF801671, AU123140, AW135001, N32423, AA077170, AI810090, AA094403, BF035754, AI814548, AA070291, N56845, AA095591, BF431423, BF765768, T06057, AI884950, BE818340, AA609881, AA635181, AW901181, BF329787, AF038969, AF038968, AF015553, AF038967, AF035737, Y14946, U77948, AC004883, AF043220, AF043219, AF017085, AF289666, AL078475, AL163203, AL050302, AC005098, AC004166, AF267747, X53795, AC004867, AF179563, AL050379, and AL163152.
HWLMV62	69	874930	1 - 595	15 - 609	AI718277, AI806204, AI922705, AA134958, AW189584, BE940626, AW152541, BF436606, AW589567, AW779876, AA911194, AA099689, H26598, AI523349, AI783469, C06405, AW979187, AA856931, AW050657, AW580584, AA650629, AA075317, AW993789, AI535926, AF095844, AC007750, and 150896.
H2MAC06	70	874931	1 - 946	15 - 960	AA837575, AI750047, AI762213, AW778875, AA528093, BF594424, AW517424, AW612993, AI749649, AA514773, AA514789, AA421943, AA167440, AI708618, AA400973, AV740396, AI474120, AA514874, AI283967, AV738755, AW845024, AA587027, AV738776, AA167783, AV738660, AA642930, BF879539, AA878029, AW193324, AA857522, AI284506, AA164459, AA164458, AV741975, AW583341, AA838234, AA169874, AV739857, W38398, AW276087, AW264913, AA148194, AA308126, AA169614, AI669077, AA074902, AA148193, AW583781, BF893727, AA079651, BF802476, AW190644, AI306666, AV735674, AV735675, AA167439, AA857853, AA074845, AI199258, AA535642, AI826800, AA166792, AA074727, BF893886, AA421944, AA165663, AA075896, AW739168, BF879359, AW591737, BF748440, AW265060, AW845005, AA076188, AV739140, AI541032, AA837890, N27757, AA102361, BF903121, BF898643, AI626104, AA165649, AA100735, BF895363, BF892331, AA524360, AI833071, BF748145, AV741814, AA079557, AA593897, AI680515, AA573267, AA401137, AI675895, AA506601, AV741817, AA079557, AA593897, AI680515, AA573267, AA401137, AI675895, AA506601, BE696957, BF893703, AV743848, AW272215, BF354583, AA076566, BE004062, BE183618, AV740205, AA837854, BF334915, AA515574, N79823, BF894855, AA169569, AW364597, U47734, AA173827, BF094310, AW664712, BE184103, BE171567, BF354577, BF805800, BG057623, AW150580, BF918052, BE811764, AA299459, BF893822, AA298668, AI810491, BF893729, BE140374, AA076565, BF894873, AI940001, AW062899, BE004010, BF801920, AW062852, AW062884, AW475086, AA366738, BE171661, BF893097, AI797418, AV737676, BE645920, AA298242, BEI83717, AI939989, AW352267, BF893885, BE716617, BE859013, AA503624, BF893856, BF894876, AW062699, AI559933, AI749194, AI866124, AA172395, BF900257, AI697412, AI473481, AA502597, AA329732, BF896945, AW270590, AW778853, AW969360, BE711057, AW000856, AA471032, AA494293, AI695633,

Clone	SEQ ID	Clone ID	Range	Range	Accession numbers
					AA508677, AW176400, BE718045, AA321220, AA165627, AW176422, AA564033, BF896894, AW085635, BF898618, T11089, AA076046, AW964468, C14389, C14407, D80949, D80168, D59695, AI557751, D52291, AI535686, C14298, AW966330, D59627, D51079, D81111, D51213, D80064, AW352172, C14227, AW360780, AA305578, AW973326, D80290, D80268, D59503, AV720533, AW966389, AI557774, AW949645, C06015, AW973445, AA164975, AW966075, D58246, T11417, AW966059, AW965196, AW975618, AW964477, AW965175, D58101, AW975613, X99133, X83006, AR014298, AX014914, S75256, AR014294, AR016808, AR092424, AR018138, AB010386, A84916, A62298, AX047063, AR077702, A82595, AX047064, A62300, AR087649, X64588, AX033851, U37689, AR070327, AF058696, AR008278, AB028859, I81198, AR077700, AX027925, AJ132110, AB019242, AR060385, A47134, AR008277, AR008281, AX014811, I14842, AB002449, AX021518, I79511, AR054175, AR060382, and X72378.
HWLRF06	71	875093	1 - 371	15 - 385	AW841682, BF766770, and D63997.
HODDO41	72	875352	1 - 583	15 - 597	H69413, H69440, AL120745, AA830102, BF898213, AW340795, AI457813, AC007546, AF064604, and AF155103.
HCHMQ74	73	875371	1 - 426	15 - 440	AA305616, AW861809, AW001611, AK023741, AC006057, and AK001527.
HT3AI55	74	875682	1 - 1467	15 - 1481	AL523414, BE565623, AW955610, AL523413, AI088910, AW469112, AW043896, AA005100, AA262517, AI470354, W78980, R89654, AV750391, AA261819, BF447445, AI079770, AA037517, BF834666, BF834673, BF834676, BF834677, BF834554, BF834667, AA328236, BF836570, AI584124, BF836573, BF836554, BF836568, BF834674, BF836564, BF836558, H19672, BF748075, BF751207, AI247711, AI217267, AV747710, AK025671, AK000219, AL121782, AB034617, and AL121754.
HMVBD68	75	876052	1 - 1266	15 - 1280	BE885169, AW970061, BF439457, AW575699, AW468388, BG116413, BG170032, AW083378, AA057509, AI679190, AV727466, AA574451, AA599718, AA054285, AA706513, AI707934, AW023524, BE142955, R66161, AA199863, AA862725, R84843, BF247952, R85715, AW973101, AW975244, AW979090, H86142, AW975971, AW627831, AL038837, H86028, AW979076, AL039074, AW975143, AW971975, AW975166, AL039564, AL039108, AW972154, AL039156, AW979228, AL039085, AW969930, AL039659, AW979176, AW975941, AL039625, AL039648, AL039678, AW973762, AL039150, AW975022, AW971953, AA059178, AL037051, AL036725, AW975626, AL039629, AW971954, H00069, AW974379, AL039109, AW973821, AW975981, AW972296, AL038531, AL039128, AW969748, AW970540, AW970969, AW979212, AW979147, AW976024, AW971968, AW969885, AW973789, AL040992, AL045337, AL037726, AW970587, AW975434, AW975650, AL042909, AL039423, AW979204, AW973772, AW975596, AW969694, AW971326, AA013394, AW971403, AW968147, AW972440, AL039410, AW970942, AW969798, AL134524, AL039538, AW973254, AW979037, AL044530, AL045353, AL036973, AW968338, AW975058, AW973812, AL044407, AW971404,

AW973819, AW969782, BG152806, AW974658, AL038821, AW968181, AW973200,
AW973241, AW979208, AW973805, AW969803, AW979250, AW968212, AL039386,
AW976511, AW973393, AW975952, AL036418, AW973808, AW972212, AL039924,
AW973811, AW969988, AW976515, AW975154, AW969874, AW975162, AW970108,
AW973781, AW973780, AW971964, AW974338, AW970936, AW979211, AW972736,
AW973097, AW975968, AW975876, AW973127, AW979144, AW979294, AW979002,
AW063533, AW969698, AW979238, AW969794, AW979093, AW970927, AW968200,
AW979173, AW975046, AW979064, AW975261, AW972156, AW973219, AW979098,
AW976510, AW969756, AW975938, AW971965, AW971305, AW979160, AW969768,
AW975966, AW973380, AL043441, AW975173, AW979054, AL043445, AL037082,
AL036196, AW974993, AW970020, AL037639, AW973164, AW969656, AW979113,
AW971984, AW976506, AW969895, AW975172, AW973386, AW974915, AW971001,
AW975950, AL039566, AW979127, AW970947, AW971952, AW975106, AW971985,
AW975229, AW973103, AW968148, AW974786, AW975914, AW973810, H39007,
AW973168, AW975917, AW975649, AW969783, AW975433, AW975928, AW972786,
AW974692, AW979078, Z99396, AW975157, AW975255, AW979068, AW971974,
AW975161, AW971962, AW968205, AW975965, AW979088, AW972784, AW973368,
AW975214, AW975915, AW975144, AW973381, AW973165, AW969884, AW974801,
AW975935, AW975987, AW971938, AL043422, AL039509, AW971087, AW971949,
AW979295, AW975174, T24119, AW975982, AW979131, AW975948, AW979284,
AL037526, X95073, AR096545, AX046357, D14548, AR073846, AR066494, AR071572,
AX003207, AX006816, AR017907, Z96142, AR038286, X68127, I92483, AR062871, I03665,
I03664, A15078, E00523, A67220, AC069451, AF261964, AX020190, AR095492, X73004,
A95051, A58522, AR072501, AR036905, AR072503, A92133, AR072502, A97211,
AR080470, A58521, AR077142, AX006818, A02712, A85477, A85396, AJ244003, AJ244004,
AR062872, AJ244005, AX006823, AX046223, I06859, AX001322, AR062873, A18050,
A84772, A35536, A35537, A23334, A75888, I70384, I18371, AX011024, A20702, A60111,
A23633, AR043601, AR025207, AR007512, A18053, A84776, A84773, A84775, A02135,
A02136, A04663, A04664, AR083151, AX009712, AX026821, A84774, A43189, AX012337,
I66495, AR031374, A43188, AR085082, AR085089, AR085091, AX006820, AR067731,
A38214, AX033488, A49700, AR031375, AX033489, A20700, AX001325, I66494, AX001326,
AX033490, AX001323, AX035632, AX001324, AX035630, A64081, AR088705, AR008430,
AR067732, A44171, AX035631, I56772, I95540, AX035629, AR018924, AX033474,
AX033486, AX006819, I60241, AX033487, AB037923, A63067, I60242, A51047, A63064,
AR018923, A48774, A98767, A63072, A48775, AR068507, I66498, I66497, I66496,
AR068506, I00074, I66486, I66487, AR079804, II9516, A58524, AR015960, A91750,
AR064707, AR085079, AX023553, AX035462, A93963, AR000007, AR015961,

					I63120, AR085083, AX023548, AF261968, AX021518, A95052, AX023549, AR020969, A25909, AR043602, AX026824, AR043603, A95117, AX026823, AX023555, A58523, AX023554, AX023550, AX023556, AX006817, AR095491, A23998, AX023552, AR095490, AX006821, AX008555, AF156296, AX023547, AR037157, AF261959, AF261960, A11245, AF261966, V00745, AF261962, AX023551, A02710, E12615, AF261963, AX018504, AF261967, AR035193, AX023546, A86792, AX006824, E13740, AR054109, A07700, AX027811, AX027809, AR000006, A13392, A13393, AR072500, AX027813, AX009487, AX030369, AR036903, AX030368, AX001082, D28584, AR027100, I03343, I28266, AF156294, A82653, AX003194, AX042372, AX027812, AX027810, AX027816, AX006825, AX006826, AR022240, Y11923, AX027817, AX027814, A81878, I21869, AX006822, I13349, A24783, A24782, A27396, D88984, A76773, AX000085, A22413, A70040, E16636, I19517, AR096518, I01992, A27396, AX042377, AR091518, AR074365, AX042375, and AX042373.
HOCTA74	76	876487	1 - 671	15 - 685	AI302800, BF109314, AW118693, AI808667, AI065036, AW080952, AA862461, AI201847, AI138543, AI015998, AA865819, AA470462, AA454546, AI221895, AA481881, AI039771, AA535254, AA482063, AI301489, AA551867, AI018725, AL121442, AI244932, T88913, AI914566, AI017732, AI016693, AI833052, AA608575, AA120921, AA120922, AU149626, AV720099, AW510983, N57711, BE302246, AW151576, AI572464, BE328214, AI471156, BF769730, AW473129, R85699, H60433, AA890675, AI262997, AA620388, AV719431, T47276, AA534566, AI625454, AA852619, AA889211, AW631306, AA707578, AI718799, T47275, AI124998, AA477467, H88225, AA680222, H66348, N63309, AA131070, AA131015, AW627418, AI474581, AI561334, BE936086, AV733805, BE936002, BF092360, AW861944, AW804686, AW604723, AW392670, BE695785, AW877209, Z99396, AW372827, BF868697, BE705905, AW858526, AW858525, BE705903, BE705906, BF868687, AW577135, AW384394, AW861889, AW858455, AW861954, BF868684, AW363220, AL119497, AL134528, AL119443, U46341, AW604726, AL119457, AL119319, AL119363, AL119341, AL119496, AL119324, BE705904, AL119355, AL119483, AL119484, AL119391, AL042965, AL119335, U46350, AL134920, AL119522, AL119396, U46351, U46349, AL119418, U46347, AL119444, U46346, AL037205, BF868696, AL134902, AW979212, AL042614, AW971745, AW975037, AL119439, AL042975, AW969885, AW979204, AL119399, AL042551, AW971387, AW973770, AL119401, U46345, AW973185, AL134518, AL134524, AL043029, AI142132, AL136526, S79219, X14608, M22631, M26121, AL122056, A81671, AR066494, AR060234, AJ279014, AX046357, AR054110, AB026436, AJ251859, AX030435, and AR069079.
HISET05	77	876686	1 - 912	15 - 926	AI392987, AW204721, AI380500, AI887979, AW166458, AI935193, AI739272, AI393078, AI337398, BE908889, AI262967, AA621187, AW780031, BF002042, AI002949, AA622165, AI078264, AA080959, AW370639, BF001449, BF982414, AA082985, BF001683, AI857378,

				AI812113, AW439180, BF818644, BF002657, AA449424, AA514476, AI262637, AI051534, AI374677, AA442087, AA425339, AA594240, AA416576, AA527340, AF287967, AI270993, X58431, X56459, J03782, U15407, and AF012098.
HCRQM22	78	876696	1 - 433	15 - 447	BE544606, BF529981, BE786721, BE251508, BE258319, AW794597, BE255394, BE890405, AL525853, BF757575, AW403014, AI904490, BE747560, BE535798, BE546101, BG028773, BG023780, AI831848, AA115313, AI761315, BE885000, BF808237, BE537206, BE535666, BE535661, BE389956, BE540274, L16783, U74613, U83113, AR030545, A79030, U74612, and AC005841.
HLHTC92	79	877310	1 - 839	15 - 853	R66025, R76969, AW043721, BF109415, AU122689, BF589412, AA553904, AW973590, BEI82756, AI417134, R58054, U77970, AR059959, U51625, U77969, and AR059960.
H2CAA49	80	879484	1 - 2296	15 - 2310	AL518281, AI279876, AU123950, AL517520, BE738492, AU122239, AI539769, BE614356, AU127471, AU137119, BE782437, BF032266, AW954410, BF917448, BG114466, BG025422, BG258893, BF793578, BF695505, AA876127, BE535422, AI963800, AA206425, AI969470, AU123404, AL517519, BE884471, BF210187, BF978343, BG258084, BE044090, AU129257, BE079257, AU150519, BG035397, BF696016, AI951966, AW605343, AA459503, AW609270, AV726771, BF576773, BF910792, AW582085, AU152326, AA778294, AW582079, BE546929, BE565375, BG171787, BF939707, AA639198, AU153689, AW609318, BF375096, AA446426, BF094456, AU149119, AI334209, BF081392, BF978405, AU124260, AU119230, BF375101, AW582064, AW813451, AU150709, BF375184, AU159355, BF977470, AW813456, AU152457, AU151017, AU151416, AI150191, BF213914, AU158145, BF573572, AW609320, AI281280, AW149760, BF375091, BF819052, AA446118, AA459274, AA236997, AW609271, AI587101, BF212914, BF243356, AW609290, AW609276, AW662423, AA946837, AI922323, AI198839, AW813453, BE960873, AA568602, AA777025, BF380050, AW376909, BE910222, BF375112, AW582063, AI127770, AW582101, AI139373, AW813471, AW972374, AW609285, BF375104, AU152034, AI753243, AA789258, N95643, AI754062, AW582102, AU150043, AA236574, AI140786, AU145626, AW813461, C75603, AA075484, BE395097, AA251521, BF970745, BE090595, AA587266, BG121171, BE042577, AW609317, AU148699, AW439362, BE546818, BF375089, AL121103, AU154945, AA213367, AW609263, BF375081, AW609294, AA837311, AU123797, AW582067, BF932351, AU156384, AW609291, AI187231, AA227539, BF132102, AI344110, H67810, BF375080, AV723252, BE782617, AA075621, BE834271, AW609293, W95535, AI400951, T65536, AW609280, AA872668, AI192986, AW571539, AU134775, C17463, BE566077, AW970128, AI859211, AA470471, AW609423, BE871406, T17222, AW192135, AA506763, BF248125, AW139044, AI913866, AA192466, AA165156, AI826398, AA678954, AI271344, BE090601, AA113939, C05669, AA137249, H17790, F11801, BF825064, AA164768, C75565, R89384, T16445, T69722, N66040, C18698, H59003, AA503343, AU123857, AA339152, AI025443, D81644, AW582082, R78076, BF222253, H58956, BF222253, D60375, BE094097, F06655,

					H58600, AA514607, H02142, AA164700, AA055768, AA306967, T70379, AI568159, C21496, W95420, H68082, AI572235, AA382754, AU153120, AA989472, BG255723, T35523, H02038, T65602, AA236620, BG261058, BF332526, AW363691, AA142866, BE566508, R01641, F09450, AA524392, T85647, Z39669, HI7791, H58601, BG107156, BF685189, AA382619, T84903, AF053641, U33286, AX014894, AF301152, AF038452, AF053642, AL133174, AF053650, AF053651, AF038451, AF053640, AF007791, AF088867, AX011612, T67084, T82109, T97267, T99684, R01549, R16380, R16395, R42323, R42337, R42323, R42337, AA084485, AA165228, AA165229, AA199583, AA528463, AA586445, AA570120, AA934719, AA471242, Z21083, T39127, T39128, T39127, T39378, and Z20096.
HETKQ94	880545	81	1 - 2418	15 - 2432	BF205433, BG025867, BF206942, BE867291, AI814360, AW665404, AW247024, AA971547, AW250225, BF701516, AA781889, AI932216, BE858661, AI144206, AI146546, AA436490, AI494424, AI951048, AI123552, BF185575, AA436445, N25312, BF092058, BE465537, BF931581, AI286226, AI005130, BE719412, BF336730, AF121170, BE931962, T20250, AA464700, AA463999, AW814610, R61444, AI911401, R11114, AA515534, AI680399, BF436747, T20249, BF821425, AI382750, AI580715, AW440012, AI569246, BE645712, AL043113, BF876211, BF846186, T91232, AI240523, BF247639, T86015, N71736, AA770594, AI350837, AI908616, BF820057, AI610364, BF435992, R61399, AI394618, N39715, AA996341, BE173985, AI224483, AA215637, AK025530, and AK025445.
HOFMO23	882466	82	1 - 730	15 - 744	AL525975, AL525520, BE263255, BE144775, BG163687, AA340612, AA375347, AA375265, BE880915, BE880848, AF089745, and AC083863.
HNTNP58	882787	83	1 - 2826	15 - 2840	AI829734, AI073471, AA884114, BF983127, AA507637, H59240, AI263494, AI288403, AL121978, Z93023, AC010677, AL035070, Z82190, AC005154, AC003101, AC004883, AP001697, AC004584, Z94721, AC025593, AC005030, AL121601, AP000010, AP001432, AL163303, AP000151, AC007842, AC006483, AC008050, AC007226, L78810, AC006203, AP001728, AL031281, AC016526, AC005011, AL121777, AC005696, AC002073, AC011894, AL049758, AC004967, AC007731, AC005500, AC008155, AC007685, AC057730, AC018637, AC004983, AL121585, AC002404, AL035455, AP002026, AC007050, AL163201, AC005520, and AA913363.
HOFNY28	888480	84	1 - 1605	15 - 1619	BG258222, BG117025, BG168645, BG253641, BG168646, BG167818, BG025417, BG164284, BE612896, BG252223, BE910738, BF345060, BE621811, BE621893, BF984267, BF798053, BG123011, BF984992, BG031014, BG117026, BG117030, BE621810, BG168644, BE614378, T29199, AA362689, AA362688, AA362690, BG253645, BE613101, AW968355, AW972092, AW968356, AW972093, AW968729, AW971740, AW972091, AI432644, AL045327, AI623302, AL134524, AI432653, AW969229, AI432654, AW081103, AI431328, AW972090, AI432677, BE672759, AL044652, AI431230, AW858522, AI431353, AI431312, AI432655, AI431310, AI432650, AR080280, A49045, I66487, A94048, A94061, AR035224, I66498, AR070554, AX002278, AR071324, I09252, I09251, I07249, I07209, AX042374, AX033488,

					Accession Numbers
					AX033489, I09270, AX033490, I09268, I09269, AR068508, AR068510, AR067734, AR068509, A63954, AX042377, AX033474, AX035427, AR089206, A49701, AX035430, AX033486, AR089208, AX033487, AR089205, AR067731, A29109, A32111, I66495, AR068550, A23373, AR068551, AX042373, I66494, AR067732, AR085090, E01324, I08638, A94046, A94054, AX030436, I58322, I58323, I66497, I66496, I66486, A27169, A27170, A39929, A83151, I09267, AR038307, AR038321, AX030435, AR091571, Y17793, AR051524, AR051537, AR051528, AR051547, AR091393, AX042376, A42964, AX042375, AF064854, AF019249, AR071207, AL133074, AL133049, AL133053, AL133076, AL122101, and AL133068.
HE8MQ01	85	889128	1 - 2694	15 - 2708	AI866939, AA333997, AL079734, BG056174, AI783911, AI114733, AI133552, AI912401, BE048032, AA515728, AV738383, AW963444, AI056177, AA228778, BF312862, AI620585, AA297666, AA535216, AA837035, BF928469, AV656851, BF891210, BF768846, AW798093, AA581247, AA659608, AA847031, AI439910, BF805088, AA452887, AA827771, AA410788, AA310183, BE350261, AW675551, AA714110, AU147162, AI744830, BG250286, H85792, AA651632, AI580250, BE968744, AA513551, AL119921, AI634187, AL038936, BF808097, AW515437, AA728937, AA610433, BF870792, AW338179, AA583394, AW069227, AW303142, AA654778, AA582073, AA527209, BG008041, AA804925, AI457389, AA176972, F11718, AV760723, AA621381, AI733856, AA489806, AV759115, AA464739, AL118925, AC004112, AL161445, Z97196, AL035587, AF116689, AC003093, AC005098, AC004166, AC007371, AC008812, AC004867, AL122058, AC004882, Z97876, AL133320, AC007568, Z95703, AL096840, Z83844, AC004985, U72787, AC004850, AL355386, AL121881, Z85987, AC003007, AC004884, AD000685, AL023575, AC009060, AL445605, AC022436, AC009289, AC007999, AL008723, AC002369, AL033521, AC006578, AL079333, AC003695, AL022315, AC005081, AC002477, AL161731, Z83308, AC004475, AL031177, AC004585, AC083861, AL008627, AL117337, L35676, AC020908, U91323, AF084941, AL162293, Z70280, U82668, AC006271, AC005632, AC007787, AL035495, AC008685, AC005736, AL049548, AC005318, AC002091, AC007030, AC004638, AF039904, AC018663, AL109921, AF129756, AC002554, AL031117, AF030453, AC010271, Z82174, AL138733, U07562, AC073593, AC002468, AL162615, AC016025, AL136173, AL159168, AP002028, AL031683, AC005189, AC005190, AC007435, AL033517, AC006236, AC005050, AC009087, AP000505, AP000295, U95739, AL031727, AC005295, AL035406, AL022163, AC004089, AL353653, AL049758, AC007057, AJ295844, AL137802, AC009480, AC009086, AC005821, AC004520, AC002511, AL035697, AL445220, AL391595, AC007308, AP000044, AP000112, AC004841, AC004755, AP001630, AC008560, AL109613, AC006329, AC003043, AC005225, AC008736, AC011235, AL096800, AL354762, AC006241, AC005102, AC004491, AC011489, AL031447, AC006581, AC009318, AL133387, AL162272, AC010618, AL158040, AL034417, AC011475, AC005781, AL136527, AC005015, AL023577, AC026770, AC005180,

			1 - 832	15 - 846	AC006511, AF205588, Z97181, AC011464, Y14768, AL138741, AC004815, AC087225, AC024085, AL117382, AJ277546, AC005243, AC006057, AC011559, AC011490, AL049760, AF001550, AC007151, AC007216, AC006457, AC078899, AL133257, AL442167, AC005722, AL031680, AP000215, AL031657, AC002470, AC005921, AC003076, AC005011, AC073898, AC005184, AP001610, AL035361, AC008403, AP001748, AC004453, AL139120, AC006317, AL031733, AL139396, AP000353, AC005206, AC006210, Z93015, AP000297, Z82201, X60459, AC004232, AF181449, AL049856, AL022343, Z97989, AC005227, AC004974, AC016816, AC005071, AC007163, AL031311, AC006952, Z83838, AL049830, AP001666, AL024498, AC005667, AL031668, AL121897, AC027279, AC004975, and AL080314.
HE2RG21	86	891139			BF969593, BF976282, BG109289, BF976463, AU125091, AU125476, BE792892, BE792650, AU125886, BE791092, AI133074, BE791337, BF237924, AL135290, BG177271, AV713476, BF797802, BE731259, BE795223, BF968456, BE790661, BE797404, BG171110, BE874660, BE795846, BE794082, BE902740, BF237469, BE562478, AV698481, BG164853, BE795417, BF342550, BE615419, BE798620, AI708767, BE795905, BE798940, BE793434, AU122903, AU123246, BE794023, BF971150, BE729229, BE792297, BE891943, BE796110, BE879535, BF308478, BE615080, BG254834, BE791517, BF689007, AV717421, BE797453, BE378673, BE797539, BG109767, BE790876, BE727304, AV713597, BE274348, BF974511, AV649335, BE879514, BG251837, BE733589, BE731394, BE796376, BE791222, BE907281, BG177300, BE790687, BF970844, BE790875, BE794823, BE740779, BE797101, BE790755, BE906835, BE729432, BF027468, BG036177, BF308214, BE300171, BF663788, BE790654, BE905832, BE791406, BE793973, BF314422, BE797254, BF207077, BE784397, BG251054, BF976215, BG168188, BF973995, BG113000, BF207077, BE728347, AI818928, BE379082, BE799031, BE879033, AV727362, BE794572, BE796652, BE728347, BE386257, BE312750, BG107819, BE906182, BE386742, BF308232, BG165563, BE747673, BG121915, BE740218, BE792160, BE273381, BE569043, BF688618, BE274774, BE731375, BE274714, BE740218, BE889607, BE791069, BF969938, BE727488, BF973670, BE744048, BE905712, BG254508, BE795983, BG032341, BF970016, BF980933, BG167418, BE275784, BF034308, BE889671, BE910496, BE560745, AI985637, BF684036, BE733167, BE793690, BE260585, BE561555, BE275014, BF970622, BG253952, BF796209, BE728591, BE276098, BE260683, BF983251, BF310331, BF795019, BE794960, BE729399, BF306538, BG109917, BF664113, AV688740, AW327358, BF026012, BF034507, BE794196, BE619444, BE378927, BG029118, BF312638, AW409953, BE793206, BE795584, BF025737, BE274916, BG178912, BF689288, BE746075, BF309544, BE872571, BE875649, BG178795, BE738312, BF680070, BF685685, BE890966, BE797323, BF206155, BG177739, BG116134, BE746340, BF792526, BE876133, BF315718, BE249941, BE907925, BE796038, BE276137, BF975039, BE867742, BF973384, BE275143, BE796201, BE897798, BE380156, BE560786, BG691285, BF690366, BE727901, BF970542, AF074628,

BG107383, BE738708, BE738424, BE563269, BF791854, BE796976, BE903695, BE748788, BE779827, BE878678, BE515181, BF312255, BE277286, BF206963, BE797990, BG107689, BF341355, BG118854, BE727244, BG036501, BF033799, AU122879, BE793848, BG254049, AI924636, BE536539, AK026569, AP001674, AP001538, Y00052, X52856, X52851, AC013436, X52852, AL122013, AC019050, AF152363, AL021395, AF026688, AF243527, AL353812, AL109614, AL353734, X52857, AB000877, AC006046, X52854, X52853, AP000506, AB000882, X52858, AC005017, X52855, AL022240, AP000957, AP001680, AC006359, AF229986, X94359, AC005522, AC005517, M19533, AX046447, X17105, AL109810, Z95327, Z78021, M25637, X52803, AF023860, AC004534, AF023861, AF023859, AC007679, E02765, U04827, AF139893, AL138688, AL035422, AF243140, AL354993, AC010198, AL139123, L07951, U39804, AC010422, A74996, AY008846, AF228021, S82372, AY004869, A75040, S82366, A75032, A75038, S82365, AF171073, T51993, T52024, T52105, T52137, T60395, T61895, T62553, T68610, T68691, T68848, T68920, T69131, T69189, T69259, T69334, T69414, T70072, T70141, T70468, T72286, T73793, T73882, T91641, T79042, R01694, R02636, R18116, R23516, R44648, H00395, H16002, H19729, H20067, H22119, H22120, H40227, H43078, H43341, H43395, H44447, H44489, H46528, R87887, R88890, R89573, R93708, R93757, H49682, N28355, N32177, N33549, N41527, N48049, N53247, N66877, N71274, W01619, W42438, W42553, W74277, W79891, AA011065, AA011066, AA027299, AA027300, AA045841, AA056196, AA056516, AA056565, AA069458, AA069647, AA069956, AA070258, AA070523, AA071028, AA071425, AA074238, AA075528, AA075585, AA075849, AA081066, AA081067, AA081118, AA082062, AA082168, AA082236, AA082256, AA083462, AA083571, AA086193, AA088390, AA088556, AA099283, AA099510, AA100073, AA100278, AA100327, AA102266, AA100336, AA100337, AA101162, AA101179, AA101546, AA126791, AA126843, AA127497, AA127499, AA129828, AA133612, AA133717, AA130502, AA130503, AA131313, AA131423, AA132325, AA132421, AA132422, AA132462, AA132463, AA132313, AA132623, AA132740, AA135191, AA135272, AA143328, AA143394, AA146734, AA146735, AA146938, AA147099, AA147112, AA147348, AA147399, AA148116, AA152368, AA152477, AA148353, AA151947, AA149915, AA155781, AA155677, AA155966, AA155979, AA156017, AA156090, AA156260, AA156517, AA157094, AA157215, AA157592, AA157640, AA157745, AA157750, AA158062, AA165509, AA165542, AA171420, AA171787, AA172031, AA172266, AA172384, AA173745, AA176370, AA176371, AA179563, AA182044, AA181106, AA181295, AA182970, AA179515, AA180415, AA188244, AA187328, AA187292, AA187503, AA187983, AA187984, AA188007, AA186445, AA186446, AA186462, AA186637, AA186644, AA186536, AA187156, AA187031, AA188452, AA188612, AA188715, AA190399, AA190544, AA190588, AA191136, AA191250, AA191634,

AA191632, AA191711, AA192420, AA192525, AA196519, AA196716, AA196975,
AA220938, AA223494, AA223647, AA224578, AA226767, AA226872, AA227074,
AA227329, AA232221, AA243124, AA229889, AA229870, AA483724, AA501392,
AA504064, AA506423, AA506845, AA513008, AA513009, AA513702, AA514890,
AA522575, AA523067, AA523107, AA528078, AA531206, AA533793, AA532728,
AA541411, AA548494, AA552113, AA552685, AA554013, AA554115, AA557427,
AA557481, H98980, F17607, AA581453, AA581711, AA582439, AA582535, AA582600,
AA581787, AA581820, AA581954, AA581977, AA582159, AA583157, AA586394,
AA595110, AA595974, AA603403, AA614738, AA640636, AA573841, AA576164,
AA576283, AA580074, AA580206, AA578651, AA578756, AA579458, AA657618,
AA661937, AA714498, AA714829, AA738152, AA747197, AA747241, AA761267,
AA804288, AA828948, AA838555, AA838041, AA857069, AA857337, AA857422,
AA857880, AA858131, AA858238, AA865532, AA858203, AA878143, AA886145,
AA886602, AA887063, AA887523, AA903967, AA906640, AA910302, AA911985,
AA916745, AA922406, AA927108, AA934028, AA934551, AA935507, AA937263,
AA946563, AA961754, AA961807, AA962171, AI014484, AI032123, AI075018, AI076920,
F18530, AI085525, D78916, N83510, N83793, N84517, N85807, W26508, N86246, C03409,
C03702, C03872, C04400, C05618, C05650, C06265, AA056715, AA641170, AA641322,
AA641633, AA089557, AA089902, AA089918, AA092024, AA093152, AA093533,
AA093975, AA094045, AA094098, AA094446, AA096144, AA096327, AA158063,
AA196974, AA207193, AA205059, AA643151, AA643934, AA651651, AA652781,
AA654193, AA210667, AA214694, AA218601, AA218635, AA218708, AA219538,
AA219762, AA076729, AA248341, AA248365, AA247773, AA400081, AA401598,
AA412697, D12371, AA488379, AA488399, AA488404, AA488511, AA488532, AA488537,
AA486399, AA486598, AA487043, AA489257, AA600145, AA626420, AA626507,
AA628259, AA628414, AA644407, AA663009, AA629565, AA668756, AA668803,
AA669761, AA669873, AA670151, AA670230, AA680212, AA629788, AA629809,
AA629819, AA629919, AA405073, AA774893, AA781370, AA960889, AA984844, AA984846,
Z20828, Z20830, AA774081, AA774893, AA781370, AA960889, AA984844, AA984846,
AI015023, AI016790, AI025271, AI027466, AI028002, AI028538, AI028733, AI087825,
AI089246, AI095933, T19734, T19760, F02852, F04720, F06580, F08359, F08509, T91586,
AA702813, AA550729, AA550955, AI242638, AI244040, AI249336, AI251886, AI274381,
AI276325, AI283993, AI285656, AI287378, AI291747, AI309119, AI347321, AI347861,
AI354255, AI356607, AI360500, AI362403, AI362841, AI368227, AI199774, AI394543,
AI434381, AI434749, AI439794, AI439945, AI440096, AI473575, AI475994, AI469680,
AI470746, AI471739, AI491928, AI559702, AI566185, AI499261, AI566997, AI568494,
AI125000, AI125756, AI127507, AI141528, AI225158, AI623947, AI628027, AI200536,

1767

HHENW77	87	894855	1 - 1761	15 - 1775	AI200612, AI219591, AI240579, AI636400, AI521639, AI669365, AI610264, AI632812, and AI633187.
					AL526926, AL527436, AL526045, AL538507, AL520776, AL538372, AL535254, AL538508, AL527469, AL526103, AL536877, AL520777, AL526963, AL536876, AL525006, AL525994, BF340116, BG259955, BG118411, AL526046, AI884867, BG120508, BF530356, BF727008, BE858461, AL525005, AI885227, BE645596, AI341159, BF971037, AW954547, AI935218, AI922406, AA778161, AI687121, BF835950, BF835954, AW148695, AW195853, BE874135, AI336147, AI091364, BE162509, BF345973, AI769203, AW627859, BF439954, AI358396, AA283686, BE677432, AA932022, BE882539, AA812396, BE222881, AI880226, AW016109, W22821, AA349833, AI207239, BF528099, T77194, AA351716, AW802143, AW802146, W22566, AA349483, AW952324, AI935916, AA912295, AA323718, AA513643, BG236769, AI191844, BE044376, F10141, T24055, AA323421, T74074, AA860955, T87227, AI160164, AA916795, H43568, AI432797, F12523, AA323203, AI522051, AI869229, T15481, AL040209, BF834531, T24054, AI089847, BF527264, AI688419, BF475921, BE867108, BF945188, AI419193, BF957667, BF811179, AA290708, AA976981, BF811672, AA350458, AW895092, AI953159, AA911413, BG059278, BG230864, AA528216, BG166654, AI432030, AW079432, BE540578, AW161579, BG030405, AI582932, AW132056, AW827206, AA580663, AW161202, AW020397, BF342823, AW806761, AW075382, AI866090, AV682190, AW935969, BE069307, F26535, BE011880, BE879722, BE772508, AI270183, AL037030, AW084056, BE895765, BE964994, AL120056, BF814450, AW264895, BE906419, AW834302, AL513813, BF811808, BF812459, AW020095, AI494201, AV682724, R39444, AI635492, AL513699, AI673278, BG113188, AI473536, AI624293, BE965724, BF856052, X69392, I89947, I48978, AL359615, AR020905, AL049283, AL137478, AK026649, AK026744, A08916, A08910, A08909, AF116631, AF100781, AL133080, AK026629, AB051158, AL137560, U75932, AF036268, AF031147, AK027213, A08913, AL117394, AL110159, AL035458, AK024538, AF260566, AK026855, AB029065, AK026534, AB034701, AK026506, AL110224, AJ006417, AB049892, AK000432, AF119871, AK026462, AF116644, AF069506, I48979, AL137550, AL080140, X93495, X82434, AF175903, AF067728, AX042059, AF111849, AX046842, AF130082, AF146568, Y10655, I89931, AK027096, I26207, AK026480, AK026630, AF087943, AF218014, AF225424, AK025084, AF076633, AK000083, AF026124, U87620, AF130099, AK026434, AK000323, AR034821, AL389935, AL389982, Z97214, X72889, AL162002, AR087170, A08908, I33392, AK000137, U68233, I92592, AK025015, AK026647, AL133077, AI2297, AL162004, AF091084, AL137556, AK025339, AL137271, AF079763, AJ242859, AF116654, AF090903, AK025484, AR038854, AF118094, AK026528, AL162006, AL137554, AK000435, AL117457, AF125948, AX006092, AF113699, AB050510, AF056191, AL137479, AK026532, AL133560, AL050277, AF003737, AF100931, X79812, AL390154, AF119865, AX005848, AX005804, AF217987, AK026526,

			1 - 691	AF242189, AL133016, AL137533, AK000653, AK026551, AK026600, AF230496, AK026542, S61953, E04233, AF151076, AX014095, U58996, AX045627, AF130087, AK026927, AK025772, A08912, AL096744, U68387, AL353940, AL389951, AF185576, AF162270, AL050138, AL117435, L04504, AF116682, AL122110, AK024524, AB016226, AL133067, AF116688, AL137283, Y16645, AL049300, S36676, AF090943, AL162008, AF116614, Y11254, AJ000937, AL049382, AK000212, AJ238278, AK025435, AF090900, AF058921, AF177401, D16301, AB047904, X65873, AF115410, M86826, AK026959, AF126247, U00686, AL359622, AK026583, AF040751, AF141289, Z82022, AK027193, AF218034, AF061795, AF151685, L31396, AL442082, AL353956, AB032264, AL133031, L31397, AL110218, AK024546, AL137480, AL080124, AF111112, AF314091, AX040958, AK024588, AF119899, AB048975, AL117585, AF111847, AL137660, AL137656, AL122093, AK025465, AL133072, S76508, AL122121, AL137476, AF113013, AL110225, AK000718, AK026865, AK026408, A18777, AR013797, AF113019, AF090934, AF113677, A07588, AL137557, AL080159, AK026642, AJ299431, X70685, AB048919, Z72491, AK026541, E02349, AF106827, AK026885, U53505, AL137648, AX040974, AB048974, AK025092, AF242376, AK027164, AK025632, A93350, AF017152, AX020124, and AL080162.
HOFNU55	88	897344	15 - 705	BF812933, BG151247, AL121270, BE887488, AW087445, BE048071, AW071349, BF968493, BF792469, AI349772, BE018334, BG031815, AI064830, AI499463, BE876033, AI702406, AL513553, BG168696, AL513907, BE047952, AL513911, AL514919, AL513661, BG164371, AI433976, BG179993, BF795712, BG036846, AL045500, AI433157, BG252929, BE963035, BE877769, BG032208, AL040243, BE904178, AL513753, AI440239, AL513837, AL047763, AI275175, BF343172, BE047863, BF971016, AI620284, BF038131, AL119791, AI539771, AL046849, AW827203, BE785905, AI500659, AW117882, BF812438, BE048135, BF037097, AV681949, AL515041, AL036146, BG252914, BE048179, BF726421, AI436456, BE048081, BF793324, BF726297, BG257535, AW274192, AI568855, AV681668, AI348897, AI873731, BG113662, BE048319, AW074993, BF344479, AW162071, AL047042, AI349645, BE781369, BE172767, AI538716, BG260037, AV655645, BF726001, BF727212, BG026194, BF726322, AL119748, AW238730, AL514691, BF344652, BF885675, AV735353, BG058208, BF970093, BE964812, BF793644, BF883916, BG114104, AI568870, AI758437, BG109270, AW301409, BG110684, BF724691, BE047738, BE894455, AL036396, AI340582, AI349933, BG250190, AI868831, BF969484, AI597918, AI521012, BG120816, AW089572, AW071417, BG257920, AI349256, AV727776, AW827249, BG112879, BF794994, AI863014, AW195957, AI540832, AI613017, BF792099, AI439087, AI250293, AL120736, AL036802, AI678302, BE882656, BF812961, AI249257, BE047859, AL514803, AW103371, BE964700, AL513693, BG170430, AI281779, AI857296, BF882334, AI349004, AI702433, AI440426, BE891101, BG180034, BE048026, AI345735, BF812938, BF340031, AI699857, AI862142, AI633419, AI498579, AI866002, AI499131, BG259801, AI281773, AV711509, AI597750, AL044207, BE968552,

BF981774, AI567351, AI866608, AL515173, AI500077, BE048013, BF882343, AI612913,
BG058398, AW075351, BE907331, AW148320, AL515047, AL513977, BE966388, BF970658,
AW268253, AW999049, AL514063, AI312152, AW068845, BF527014, BG121222, BF344507,
AI349614, AV681638, BG108147, AI349937, AV757797, BG112299, AA613907, AL513643,
BG180996, AJ349598, AV757158, AV756560, AL043326, AV757455, BG178809, AL515375,
BG179633, AI445432, AI635461, AI271786, AI625079, AI281762, BG027280, AI224992,
BE884130, AI497733, BE904051, AI580984, BE965556, AL514701, AL513631, AL514303,
AI590128, AI800453, AL514935, AI800433, AI682841, AI609592, AL515191, BE874133,
AL514299, AI469811, AI499393, AI687728, AL048871, AF118070, AL157431, AF116639,
I48979, AL133640, AF119878, AF090901, AF116631, I89947, A93016, AF113013, AL389978,
AL049452, AF116644, Y11587, AF130105, AL390167, AF125949, AF116691, I89931,
AF090900, AR079032, AF130059, AL133016, AX046603, AF116602, AF090943, AF118064,
AF218014, AF130075, AB048953, AJ242859, AF090903, AL050146, AF090896, AL137527,
AL133606, AK026741, AK026865, AF113694, AF078844, AL080060, AF116646, AB049758,
S78214, AF119875, AL050116, AF113690, L31396, L31397, AF104032, AL359596,
AL442082, AF113691, AB047615, AL117460, AF130082, AL442072, AL110221, S68736,
AL050393, AF113676, AF130104, AL117457, AF138861, AF090934, AF113677, AL050149,
AF111847, U42766, AL049466, AL359601, AK026608, AB048964, AF130092, AL162083,
AF113689, AB041801, AR059958, AF116688, AK025339, X84990, AL110196, AK000212,
AB019565, AL133075, AF106862, AL049938, AL050108, A08916, AL049314, AK025084,
AK026045, AL122050, AL122093, AF219137, AL162006, A08913, AF113019, AF017152,
AL080137, AK025958, AL133557, AK026855, AL133080, AL096744, AX006092, AL133093,
AL137283, AX019230, AL050277, AL080124, E07361, AX019229, E03348, AF119899,
AK026744, AF116649, AF158248, AL122121, AL389982, AF113699, AL133565, AK000618,
Y11254, AJ000937, AF111851, AL117394, AL122123, AR011880, AK027096, AL137459,
I48978, AL137557, AK026592, X63574, AF091084, AK025772, U91329, Y16645, AF314091,
AF125948, AF146568, AL050138, AK026533, AF207829, AK026784, AF097996, AL359618,
AL110225, AB048954, AF271350, AK026452, AF079765, X82434, AB051158, AK000083,
AF242189, AL359941, U00763, AF130099, AK026647, AK000445, AF177401, AK000137,
AK025092, AK026583, AR087170, AK024538, AK026480, AF017437, AF119909, AL049464,
AL117583, AL133560, AK026542, AL353940, AK026504, AB052191, AK000652, AK025491,
E07108, AL117585, AK026927, AJ238278, AL359615, AK027113, AL137550, AX042059,
AF225424, AK026532, AK026534, AL049300, A65341, E02349, AF130077, AK000614,
A08910, AK026959, AB049892, AL049430, AF067728, AF177336, A08912, AF130110,
AK026086, AK025391, I33392, AX026824, AX026823, A58524, A58523, AL049382, X70685,
AK025414, AL117435, I33392, AX026824, AX026823, A58524, A58523, AL049382, X70685,
AF116682, AK026642, AB048974, AK027204, AK027164, AK000323, AK025967, AL162062,

AI2297, AL122110, AF116610, AF119871, AB052200, A03736, AC002464, AF118094, AF130087, S61953, AK024524, A08909, X65873, AL137648, AK026528, AL133113, Z82022, and AF183393.

HE8TE40	89	897862	1 - 1862	15 - 1876	AI823654, AI961177, AI478221, AW968773, AA846576, AI480402, AA584298, BE560551, AI813657, AI760644, AW247012, AA887179, AA868607, BF980116, BE961977, BE550998, AW969507, BE559619, AI651566, AA579655, AV686107, AW969502, BF436325, AW002182, AI654813, AA491041, AI283079, BE617461, AA922926, AW166079, AA917731, BF515827, AW292126, BF223222, AI990156, AI499865, AA729880, AW250215, AI671762, AI680670, AI948722, AA490858, AA503731, AA732307, AW969802, AI222519, AI004530, AA639529, BF79841, W96184, AA513845, AL532268, AI681727, AA768695, BE765188, AI147101, AI205178, AI269686, AW291809, AI393299, AA737590, AA528328, BE065291, AA764868, AI867123, BF095791, BF821814, BF380983, BE151798, BF380986, AV654488, BF909261, BF909264, AW969515, AA809950, AW269244, AW300193, BE693372, AA689267, BF590473, AI694125, BE962424, AW955686, AV703593, AV726916, AV661866, AW951516, AI557264, AV696302, AV706064, AV701983, AV707103, AV705545, AV702726, C15737, AV702189, AV725294, AV702148, AV709895, C14208, AV726708, AV655824, AV705217, AW963940, AW950675, AK026201, U19181, AC025263, S79539, and A84916.
HNTCH73	90	900546	1 - 1555	15 - 1569	BE877424, BE612406, BE867398, BE873237, BE512843, BF983505, BE304524, BE871951, BF983498, BE962323, BG248621, BF984535, BE870587, BE872539, BG108575, BE873272, BG026835, BE868837, BF434094, AW362700, AA777371, AA479141, BE512742, D51188, AA479140, BE740078, BE869477, AA468551, BE304763, AA463224, BG248254, AA576646, BE617281, AI312731, AA584413, AI886718, BF982469, BF928257, BF928454, AA873550, AW753810, BF806796, BE771212, BE771215, AW362728, AA463225, AW362712, BF819079, BF810890, AA730073, T54230, AW602572, AA333903, AA358807, D51376, AW753502, T28171, T54134, AW950374, AW362081, BF926988, AI129853, AW609632, AW378785, AW390826, N86263, AW390848, AW815472, AW379982, AW379983, AW884062, AW815758, BE771216, AW815719, AW264254, D11692, AW378783, AI748892, BE868305, AI034316, AW191034, AI219728, AW148594, AW389490, F04809, BF768876, AR031483, I08631, I78457, AR075479, D30751, I11746, AR075485, U43842, AF042497, AF136233, Z22607, X56848, S65032, E04737, L47480, D14814, E03671, AJ005076, AF058764, X64538, D49972, U90122, U82231, AF056336, AR009509, AR048315, AR075484, and A91867.
HHFBY53	91	902534	1 - 956	15 - 970	AA346699, BE897269, BG109478, BG178294, AV718692, BG178294, AV723772, AV708119, BF883916, BG179993, AI370129, BG108324, AV755207, BE047863, AL514935, AI349772, AI500077, AL513643, AI436456, AL036396, AI687376, AL047042, BF343172, BF037097, AV655645, AL119049, AL036802, AV681857, AW827211, AL514627, AW827203, BG036846,

AL046849, AI702406, BF727212, BE969709, BE048071, AV757737, BE048163, AI475371,
AL135661, AL513907, AI433157, BE785905, AI064830, AL515041, AV682479, AW268253,
AL513597, AL121270, BE964812, AV681716, AV756770, AL119791, AV682224, AL119748,
AI349645, BG260037, BG168696, AW238611, AV757943, AL036146, AV711924, AV682266,
AV704928, BE968552, AV682351, BE880190, BE613622, AV682249, AV721967, AV759235,
AL121365, BF969494, BG058208, AW303152, AI608667, AI815383, AW071349, AW301409,
AI349933, BG259801, AI687728, AL045500, BF726421, BE018711, BF724691, AI538716,
AL513553, BF054789, BG257535, BF812933, AI868831, BG180996, AI433976, AV755290,
BG114104, AL047763, BF795712, BF971016, AI567351, BE048026, BG110797, AI687415,
BG252929, AV733397, AL513803, BE877769, BE964700, AI863014, AL514919, AV681685,
BF793644, BE965556, AV682441, AL513911, AV734318, AV733470, BF970162, AI568870,
AV758110, AV755581, BG250190, BF343729, BF792099, AV681647, BF970446, AV681548,
BE777769, BG107847, BE048179, BG029399, AV758217, BE881155, AV681630, AI934036,
AW162071, AV682252, AV758592, AV757158, AI920968, BF968493, AI340582, AV757797,
AL120854, AV758806, AV681987, AV710608, AI679724, AV682809, BG105099, AV763915,
AI440426, AI469532, AV757018, AV681951, BG109270, AV758668, AI000070, AW117882,
AV756477, BF348329, AV715462, BF982046, BG033403, AI580190, BG252914, AV756342,
AI818683, AL514691, AI085870, AI349004, AV759831, AV757639, BE887488, AV755613,
BG108147, AI499393, AV723204, BF673434, AV682218, AV757455, AI906328, AV756703,
AV682476, BE965095, BF726297, AL515173, AL515047, AI500553, AV682697, BG178809,
AW089572, BF882343, AV734765, AI873731, AI758437, AA640779, AV756560, AV682521, AI673256,
AV711509, AL513693, AI631107, BE048081, AI686926, AV710479, AW999049, BF726322, BE048135,
AV762488, BE048319, AV682542, AV682264, AV682330, BG109125, AV729890, AV723062, AV660662,
AV727776, AI802542, BF970731, AV681668, BG031815, BG117375, AV758179, AW238730,
AA613907, BF970731, AV681668, AV734099, AL040169, AL038605, BF107577, BF981774, BG179633,
AI690751, AL036980, AV682772, AV682051, AI343112, AL514803, AV733819, AI349256, AI312152,
AV764059, AV682772, AI609592, AL514303, AI349937, AV757827, AV681859, BE047859,
AF116691, AI567632, AF078844, AR079032, AX033851, AF116631, I48979, AF090900,
AF125949, AF090943, AL133016, AL133640, AF118070, AF116644, AL157431, AL442082,
AF116646, AF130105, S68736, AL130075, AF116602, AF113691, AF130082, S78214,
AL390167, AL117460, AF116639, AF090934, AL050146, AF138861, AL050393, AX047063,
AF130104, AJ242859, L31396, L31397, AL442072, AF130059, AF090901, AF118064,
AL389978, AX046603, AL080060, A93016, A9301G, AF090903, AF113013, Y11587, AL117457,
AL133606, AB048953, AF218014, AL104032, AL359596, AL110196, AK026608, AL049938,
Z82022, AF119878, AL359601, AK000212, AK000212, I89947, AL049452, AF113694, AL110221,
AF106862, AF130092, AF113690, AF116688, AL137527, AF113676, AB049758, A08916,
AF111847, AF113690, AF090896, AR059958, AR059958, AB026865, AB048964, AK026741,

HDPIE44	92	1 - 4006	904763	15 - 4020	

AF113689, AL133075, AB047615, AL122050, I89931, A62298, A08913, AF113677, X84990, AX019230, AL050149, AL162006, AB050510, U42766, AX019229, AL049466, AB041801, AL050116, AK025339, AL050108, AK026045, AF119875, AK025084, AL122093, AL049314, AK025958, AL096744, AB019565, A84916, A62300, AF113019, Y16645, AL133557, AF219137, AL050277, AF119899, AR011880, AL080137, AR018138, AF017152, AL080124, AX006092, Y11254, I48978, AK026744, AK026855, AL133080, AR070327, AL133093, E03348, AF111851, AL389982, AL137283, AK000618, AX027925, AF116649, AL122121, AL137459, AL137557, AJ000937, AL133565, AL122123, AF207829, AF097996, AJ132110, AF158248, AK026583, U91329, AL137550, AL049430, AF017437, AX047064, X63574, AL359618, AK025772, E07361, AK026784, AF146568, AK027096, AF314091, AK025092, AF091084, AK000083, AK026533, AF119909, AL117394, AL133560, AK026542, AF125948, X82434, E02349, AF271350, AK000137, AF242189, AL110225, AK026592, AL359941, AJ302649, U00763, AL050138, AF177401, AB048954, AF079765, AK024538, AX047062, AK000614, A65341, AK000445, AK000652, AK026647, AB048974, X70685, AL353940, AR087170, AK026452, AF130099, X67155, AL117583, AB051158, AK026927, AL121916, AL049382, AK027113, AK000323, AX020191, A67220, AX020190, M22146, AL117435, A08910, AL049300, E05822, AK026480, AB052191, AF041428, AK026353, A77033, A77035, AX021518, AK026642, AK026086, AL359615, A25909, E07108, AK026504, AL117585, S61953, A08912, AF116682, AF225424, AF177336, AF130077, AK026959, AK026532, AL050024, A78862, AK025491, AK027164, AJ238278, D89785, AX026824, AX026823, AF130110, M58458, AK026534, D26022, AL133258, AL049464, and AB047904.

AL528314, AU130887, BE780963, BF966718, AL118570, BE739397, AU126476, AU139315, BF512830, BG115027, AI908306, BE880693, BF540985, BF791388, AU122664, BF035925, BF665031, AI672418, BF206660, BE738855, BG120429, BF129883, BF057158, AW959181, AV724420, BF106186, BF966523, BF213412, AL042137, BF211302, AI042351, BF206917, BF031857, BF515714, BF131974, BE514139, AV696443, BF037314, AW130577, BF129874, AA424461, AV661523, AW130565, AU127429, BF677116, AA902916, AU150429, AI239435, BF665735, BE155330, AV705068, BF212900, AA983275, AV710135, BF432386, BF211687, AA461260, BF057834, AA312396, AI627321, AI160503, N63373, BE502195, AV751301, BF184200, AI884925, BE559625, BE468064, AA186321, AV750990, AA749086, BF513143, AU152756, AA402517, N26419, AW025721, AI418879, BE268734, AA088855, AI042350, AA678020, AU150014, BF184441, AA113363, AI761107, AI457727, AW341372, BE674349, BE270920, AA888970, AA580858, AA649198, AV649723, AA100701, H24854, BE336719, AI819134, AA199866, AW025691, BG010680, R77878, BE087003, AA326555, BE550985, AA188173, AA424417, AI640581, H05951, AL044709, BF930036, BF792719, N41679, N56631, BF923482, AW779309, AI218982, H45855, AV751002, BE089649, C17343, R81295,

			BE646243, AA502426, BF081703, R11716, AW594429, BE676875, H06000, BE832883, BE931964, AV703744, BE720186, BF748564, T09412, AA460953, BF849176, AA088766, AW021533, AI265945, AV751157, AA437111, AA336899, BE262777, H99315, AA358792, BE155518, BG166471, BE270762, BE313275, BF239379, AA888732, D78877, AI269641, AI469067, AW874055, AW338714, T89695, AW874611, BE825194, N88500, BF445639, BG011279, AW058314, BE677169, AW139207, R17691, AW513547, AW472793, AA358708, AV660383, AI765491, AI582998, T31819, AI084965, AA598573, AV750235, AA730781, AA056000, AA322246, R08530, D61165, AA716555, BE972774, BE169279, AI870585, BE615699, AI870612, BE169269, AA333655, AI678506, AA648833, AA347000, AL528313, R08529, BE247425, BF155632, R44452, R19666, AL040103, AW993917, D62489, BG028138, AA360932, AI763357, AI652881, BF088332, BE327501, AA055971, AV749018, AV748843, AA088700, BE383572, AI570710, AA004833, AI685231, AA178900, AI886543, AW166705, T89515, BE812475, D60417, BE812487, BE937678, AW054783, T48558, AA953749, AI199099, BE812457, AI769397, AI369907, AA199752, BE701083, BF914380, BF508221, BE838996, BE707763, AV646433, BE819207, AV651409, T25765, AA113444, AB018353, AK025737, AK022816, AF202724, AX017520, and AK022469.
HHSAX10	93	904783	1 - 2530
			15 - 2544
			AL536179, AL533946, AL533947, AL537797, BE613134, AI401562, AV746302, AW961160, AI928515, BF966793, AV723437, BF526420, BF725404, BF035547, BF034426, AW753303, AV751398, BF940225, AL037012, AV722341, AW291377, BF340849, BG167789, AA446330, AV745305, AI942480, AI332363, AA443173, AV746253, BE326680, AI924756, AI989804, AI089825, AI423344, BF343626, AW264140, AV745498, AI655012, AV745371, AI418141, AV745442, BE783669, AI831023, AI815927, AV745783, AV746250, AI598128, AI685430, AV746136, AA293039, AV746047, AA131952, AV745494, AA446510, AV724999, AI050790, N51854, BE612567, BF530507, N62627, AA131865, AA781772, M62252, BE244781, AI816187, AW162757, AI167936, AV745512, AV726539, AI003401, AA307598, AA349403, AII43672, AW161966, AA148523, BF529438, AI625601, AI445688, AW900480, AII24706, AL037633, AA293431, AV746086, AL534788, AV745509, AA457374, AA148774, AW051680, AW892804, H08939, AI262177, AW296899, AA604202, AA719581, T15711, AV745470, N78398, Z44301, H89097, H08855, AV708127, H83746, AV745322, BF530020, AW090772, AI880020, AA463482, N45508, AA351563, BE514717, D58472, AV746088, T33816, R26136, AA781761, Z40260, AA912327, AL135377, AV701257, N71208, AA018269, AV732497, AW291641, AL138265, BG056993, H88534, BE858449, BF913258, BE244558, AV746063, AW976010, AA224525, N22006, AI273124, W28157, BF908602, AA019115, AA349402, H80006, T32057, BE796439, BE273856, AV745883, AA526787, AW406447, AA984620, AA577127, H55993, AV696428, AU145083, AU147226, AV684596, AU158906, AL537887, N45466, AV691908, AV762220, AI038990, AL040921, F05944, AW600804, BG034591, AA601355, AL036052, AW079809, AW055226, AW962035,

| HPIAX83 | 94 | 906066 | 1 - 3605 | 15 - 3619 | AA631507, AU117456, R26350, BF206005, AA584482, AW955841, AV695357, AA708108, AA577824, AI653525, AI114869, AL040521, AA836811, BF902295, AA658844, D56161, AU145521, AA486896, AA827183, AV760760, BF836337, AI963600, AC020916, AC006312, AL049776, AL049709, Z98745, U82828, AL035415, AC005678, AL355392, AC006483, AL137073, AC006121, AC011462, AL133245, AC006111, AC004150, AC011811, AL450226, AL354720, AC009756, AF196779, AF053356, AF207550, AC004584, AL137039, AL009179, AC008812, AP001711, AL365505, AP001717, AB023048, AC007041, U95742, AC005998, AC005037, AC006441, AL135927, AC007227, AL023494, AC008072, AC004913, AR036572, U91328, AC013429, AC008753, AC005082, AC006064, AC004477, AC006345, AC012467, AL020995, AP001759, AC005516, AC008379, AC009501, AL139824, AC002470, Z85987, AL117336, AC005280, AP001725, AP000555, AL359846, AC005041, AC006965, AC004876, AL031659, Z97630, AL035072, AC007066, AL021978, AC008064, AL096763, AC005736, AC005908, Z83844, AL049872, AC006130, AL139095, AL049870, AL031602, AC007686, AL109804, Z92845, AP001691, AC010271, AC005081, AC007216, AL136295, Z82208, AC022148, AL354696, AC009087, AL031281, Z84466, AL035406, AC008764, AL023575, AC008892, AL118520, AC005067, AL109743, AF134726, AC023510, U85195, AC006285, AC004971, AC005899, AC005255, AC024561, AL021707, AC004841, AF088219, AC020906, AC016025, AL022326, AC007881, AC003684, AL133243, AL080243, AP000140, AE000658, AC002477, AL136418, AL117381, AC004686, AC003692, AC005015, AP001748, AC009086, AC011480, AL050335, AC006277, AC005839, AF001549, AC005632, AC016995, AL353807, AC004089, AC010358, AP002534, U80017, AC005829, AC005519, AP001714, AL033543, AC002350, AC004166, Z95114, AC005412, AC006241, AC006211, AC011484, AC004552, AL356299, AC018719, AL136300, AL121655, AC005545, AL139343, AC000071, AL022320, AC011510, AP001666, AL138759, AC005821, AC018637, Z82215, AC009247, AC005231, AC024584, AC016633, AC004765, AC018641, AP000088, AC008040, AC002429, AL445483, AC005747, AC006958, AP000228, AP001720, AC004531, AB023049, AC025435, AC018720, AC009032, AC004408, AC004039, AC007011, AC010328, AL021393, AC005567, AL031447, AC002420, AP001694, AC009600, AC005696, AC021016, AC004707, AL024498, AC011540, AL121825, AL109797, AC005484, AL049830, AC004826, AL121652, AC004953, AC005071, AC068799, AC008267, AF168787, AC020663, AP000302, AC005332, AC007845, AC006017, AL022316, Z49235, AC004522, AL031680, AL160231, AC007383, AL049761, AC002404, AL110115, AL357033, AL049745, AL031589, AL139099, AC007969, AL158198, AL031229, AL009181, AL022238, AL121845, AL031685, U62317, AC012318, AC010422, AC005018, AC005666, AF141309, AC009314, AL031685, AC006077, AL109984, AL133163, and AC021068. BG170880, BE927964, AW954276, BE927869, BE927822, AW386244, BE927879, BE927863, AW750978, AI630917, BE927870, BF724110, BE927940, BE927963, BE927825, BE927858, |

				BF335709, AW974607, BG109021, AA649005, BE348562, AA169612, AI266549, AV727885, AI583996, AW193345, AA425009, BF108820, AI089470, AA450191, AA448713, AI445748, BF335707, AV726038, D81903, D60876, D80480, AA448623, AA603522, BE927820, AW959425, AA450125, AI565635, D59960, AW193749, BE927912, D52426, AA971081, AI077471, AW513848, D60740, BE328723, AA888175, T66249, AA182689, AA995923, BF906448, AW883238, D80942, AW009242, AA182655, BF906435, AI304474, BE927864, BF724109, AI273237, AA652449, AA255509, AA662493, AW939319, AW793202, F08953, AW793124, N94857, D60588, AA255537, AI187873, F11292, F12134, T16506, BF332578, BF349025, D81183, AA300988, AW806543, BF365610, F09771, AI144133, N83701, AA886533, N88236, AW382252, and BE151485.
HOFNG28	95	908746	1 - 1612	15 - 1626	
HOFOB27	96	911947	1 - 1919	15 - 1933	AW961869, BE077141, AW578424, BG255499, BF954315, AI261629, BE077135, AI148063, N36589, AI261572, BF802132, AW937843, AA426509, BF773463, AA432239, AA297161, AI149643, F12840, AW085552, AI261573, AW964755, AA086106, T74733, AU117446, BF155382, AA190566, AI800802, AV721960, AW863367, AW444435, R05875, AA252523, AW964780, AW959892, AI016747, T08225, BF195133, R10564, BG112973, AA312028, AI149199, AI370265, AI299757, BF514106, AI951761, BF765034, BF961480, BF745812, AA339807, BF961798, BF830434, AW381253, AA297204, AA193676, AI361910, AI565510, AI863790, AA252555, AI279364, AI379019, AI300980, AI431499, AI815225, AI364355, AI024659, AI494214, AI802120, AI351937, AI858581, AI864392, BE671413, AW075432, N55650, AW117663, BG057105, AA041199, R10154, AA227453, AA427655, AA424370, AA243514, AI610249, AA041436, AY008763, AL050283, AY008764, AF194031, AK000923, and AF175325.
HHBHJ45	97	913831	1 - 1633	15 - 1647	BG169391, AW949561, AI310200, BF339286, AI302098, AI654459, BE729449, BE536951, AW968438, BE389695, BF665529, BE277374, AA625808, AA427852, AU154551, AA458825, AU151326, AA428109, AL120902, BF571546, BF222142, AA612971, AU130187, AU126787, AI347584, AI086482, N30370, AU157337, AI271968, W76546, AI688046, W74351, AA807857, BF678409, N95347, H18070, N79725, BF209686, AI347617, AI583445, H09608, AA804327, AA838452, H09609, AA164432, T09029, AW572063, BF337241, AA164431, W76465, BF810348, AI654258, F09074, AA192488, F11408, W72228, W25256, AV686355, AV685242, AW591780, AV698667, AV693138, AV694239, AV684641, AV697086, AA527521, AV693125, AV683176, AV695358, AV685230, AV695077, AA873514, AV684289, AV698337, AV698238, F08059, AW301970, AV691629, T09028, AI308013, AI254516, AI345333, AW301841, AI318573, AW274307, AW302778, AI343199, F04295, AV684299, AW603555, BE778359, AA132390, N62777, T16599, N47046, AW768945, AA459016, AA070813, BF799492, AA133507, AA887062, AA581050, N59845, BE181676, AA873503, AV711509, AL513597, AW301409, BG179993, AL513907, BG104782,

AL121270, BE048071, AW827203, AL045500, BF883916, AV716568, AV682249, BG257535, AW071349, AL514627, AV655645, BG257920, AI349614, AL046849, AI349772, BE018334, BF054789, BG260037, AL515047, AV710479, AV681638, AL514919, AL514791, BE048135, BF969228, AL513693, BE964812, BE047863, AL515041, AV682222, BG252914, AV682849, AV734318, AV758110, BG058208, BF724691, BG114104, AI207510, AW827510, AV723772, AI868831, AW162071, AI064830, BF795712, AV756477, AV729890, BF793187, AI349645, AW268253, BF971016, AL036396, AV758806, AV682476, AL135661, BF679377, AL047042, AL119049, BG036846, AL514935, BG168696, AI433157, AI815383, BF343172, AV723204, BG180996, BF793644, AV681857, AL513803, AL036146, AV717299, AV723062, BF969494, AV711924, BG108147, AL514015, BG110797, AL514691, BF882343, AV733326, AL036802, AV712229, AV715263, AV757096, AV710608, AV756560, BE018711, BG108324, BE964700, AV733397, BF034349, AI433976, AV757639, AW999049, AV681716, AV681630, BG112879, AV682252, AV682330, AV682772, AV758668, BF107573, BG113662, BG109125, BE877769, BG250190, AV682462, AV682792, AW238730, BE881089, AL119791, AV757327, AL121365, BE048319, AI612913, AL514793, AV681668, AV734099, AV681647, AV717179, BG121222, AV755581, AW268768, AV764282, AV760102, AV755668, AI580190, AL120854, AL513943, AV660662, AL514261, AI349598, AV704928, AV682351, AV705644, AV758592, AV681949, AL513631, AV756770, L34600, L37835, I48979, S78214, AF116602, AF116691, AF116644, AF116646, AF090900, AF113691, AF116631, AF130104, AR079032, AL050393, AF116639, AF130105, AL133640, AL117457, L31396, AF090934, AF118064, L31397, Y11587, AL133016, I89947, AF138861, AF113013, AL133013, AF133606, AF078844, AF130082, AL442072, AL049938, AF130059, AL389978, AF130075, AF113694, AL080060, AF125949, S68736, AF090943, AK026045, AL359596, AX046603, AF118070, AL157431, AL442082, AB048953, A93016, AL050146, AF116688, AF090901, AF104032, AL122050, AF090903, AL117460, AL110196, AL049452, AF218014, AL110221, AL122093, A08916, AF113677, AJ242859, AF113689, AF130092, AR059958, AF111847, AF119878, AF113690, AB041801, AK026865, X84990, AL390167, I89931, U42766, AK026608, AF119875, AX019230, AB049758, AL137527, AL359601, AL050116, AK025339, AB048964, AX019229, AL050149, AF090896, AK026741, AK000212, AB047615, AF113676, AL049314, AL096744, AK025084, AL162006, AB019565, AF113019, AL133557, AL050108, AK025958, AL162083, AF106862, AL133075, AL080137, AF017152, AR011880, Y16645, AF113699, AL049466, A08913, AL359618, AL080124, AF219137, AF158248, AL050277, E03348, AF116649, AL133080, AX006092, AL137283, AF119909, AL389982, AL133093, AK026855, AL137459, AF119899, AJ000937, AL133565, AK026744, AL122123, I48978, AF146568, AL122121, X63574, AK025772, AK026533, AL137557, Y11254, AK026642, AK026452, AK000137, AK027096, AK026784, AL049430, AF111851, AL117394, AK000618, AB052191, E07361, AF271350, A65341, U91329, AL049300, AF125948, AK026542, AF314091, AK000083, AL359941,

					AF097996, AK000445, AF207829, AL122110, AL050138, AK025092, AF091084, AK026532, AL133560, AF242189, AK026528, AF177401, AL110225, AB048954, X82434, AF130110, AJ238278, AL133113, AK026592, AF079765, AF130066, AK026647, AL122098, AL353940, AF116682, AF130077, AR087170, AK000652, AL117435, AL117585, AK026534, AB051158, AL137550, AK026480, AK026583, AK000323, AK026504, E07108, A08912, U00763, AK026959, AL137538, AK026927, AF017437, AK024538, AF177336, AK025491, AL117583, AK025414, AL049382, AF225424, AL359615, AK027113, A08910, AF119894, A77033, A77035, AK000614, AL049464, AK026353, AK000391, AC002467, AL050024, X70685, A08909, AK027164, S61953, E02349, AB047904, AK025967, A03736, AF130087, AB052200, AF130100, AK025484, E05822, AK025391, AB048974, AF095901, AL133258, AF067728, AX042059, AF118094, AK026086, I33392, AL137271, AF260566, AK025632, AK026630, AF130099, AB049892, and AF119871.
HHPDV90	98	914163	1 - 1872	15 - 1886	AI811005, AI653359, AI743036, AI568555, AV697280, AA625521, BE048864, BG167806, AI824027, AA401229, BF448652, BF438214, N40011, AA193304, AI130747, AI936637, AI368011, AI080358, AA404268, AW236922, AI275538, AA564363, AI276027, AI624113, AI379074, AI126543, AI275570, AI368003, AA962422, AII91276, AI635306, AI480304, AI492368, W45197, AI333916, W38715, AV702601, AA443016, AI934349, AW960595, AI291511, AA731161, AA488954, AI274931, AA488874, AI582669, AW469885, AA071470, BE079773, AI581645, W38762, AW594009, AI696471, AI383502, N92570, BE646049, AA625343, AI480410, AA613349, AA824555, AI693424, AI096708, AV684337, N27277, AA861317, AA463456, AI796055, AI041748, BE896736, AA335410, AI523346, AI933211, AA194258, AW571434, AI224569, AI868719, AA451885, AA135295, AV683399, C16240, AA360398, AA257150, BF367469, AW250238, BF515389, AW875802, AA135165, BF927607, AI868703, BE178966, N34385, N42846, AA419446, AA736543, AA584194, AI085242, AA745092, AW613813, BF801143, AC002364, AL353937, AX048063, AF217518, AC008155, AC025593, AC006241, AL049776, AL163194, AC008521, AL109976, AC027319, AF196779, AF265340, AL121926, AC020913, AC010618, AC004999, AC011508, AL356652, AL109825, AC005231, AP001753, Z93784, AC018758, AC002126, AC006160, AL049547, AC004991, AC009247, U89337, U91323, AC008745, AC011455, AC008482, AL450226, AC016554, AC020663, and AA825569.
HWMMQ47	99	915068	1 - 1914	15 - 1928	AU117578, BE747272, BE740691, BF975570, BE791051, BF982819, BF568722, BF663926, BE779854, BE258824, AL534023, AL534024, BF967781, BE253195, BE888979, BE778582, BE252033, BG036978, AV751824, BF883871, BF683473, BE263408, BF307358, BE868436, BE392981, AI804750, BF973051, AU144804, BE298007, BE779716, AU145608, BG000903, BF971699, AII46343, AW027129, AI813831, BE395342, AU144372, BF237544, AI690884, BE786397, AI090031, AA478533, AW268818, BF237818, BE857063, BE296783, AL531481, AW327927, AI378303, BF894721, AA594858, BE256127, AU159188, AA147836, BG054746,

BF683480, AW029434, AW249985, BF973936, AA478532, BF753083, AW080150, AI340193, AI720024, AI217899, AI457563, AW003638, AA722532, AV702271, AI052193, AW152636, AI720741, AI452498, AA252800, AA927369, AW517403, BE279835, AA315596, AA772707, W86492, AI086888, AI360383, AI470090, BE895081, F25095, BE268236, AA779833, BG026493, W45522, AI038560, AA603343, BF684523, C05832, BF431779, F28006, AI095384, W45535, AW160924, F34141, F33054, AA937123, AA494403, AA886650, AA146630, W88576, AI741309, F30644, W74685, F27508, AA194367, W74782, BE264003, AA934037, AA180220, AI262197, AA448874, AW194204, AW020669, AA194452, F31569, R92193, AA318926, AA180122, F19516, H49652, AA147873, AA865938, BF955984, BF800634, AW008701, F27449, AA921303, AA143638, BE171753, BF800748, AW593581, BF800632, BF762249, BF107554, AA304732, T69273, H46362, AA557135, AA305575, BF800763, AA443703, AW162531, AA809527, AI251897, AW769872, BF800641, W22381, F26198, F35403, BE265799, BF054691, AA380255, AA844460, F29747, F31121, F32839, F26864, BE746883, AA669752, AI758971, BF361119, T69348, AI521025, F31803, AA157491, BF876145, AW886732, AA035300, BE814630, AW374418, R88607, H01608, BE814628, AA431916, AA912038, R92297, F26227, AW954001, F33512, BF807053, AA365295, BF894238, AA323119, BF803074, AI474046, AA365906, BE543952, AW582126, BE841147, BF092619, BE392685, BF432353, AA635078, AW797196, AW247391, AW674152, D12180, AW383300, D45323, BG010220, AA443957, AA626141, BF762238, AW772676, AU076545, T60954, BE937044, BF958137, BE084238, BE814524, AW248481, N88946, T24584, AA833682, AA135574, W86637, AA135512, AA489008, AI521799, AW023081, AL138386, AW082623, AI273856, BF750879, AI742728, AW083111, AF074644, BF892007, AI300660, AI309306, AA580663, BE879967, AI524179, AW022981, BF792099, AL041230, BF797153, AW020397, BE011880, AL036509, AL050386, AK000934, AR070538, AB029042, AR083283, I48978, AF022813, AF081197, AF081195, AF130104, AK026613, AF116631, AF090900, AF038440, AB048910, AL117438, AL137267, AK025798, AR050959, X60786, AF217966, AF116610, AB047904, I68732, AB047941, AF057300, AX016706, AF057299, AF097996, AL122050, AF130056, AK027103, X65873, AX015416, S69510, AF114784, AK025015, U35846, AL035458, AF242189, AF130082, AF019298, AF124435, AK026534, AF201468, AK026855, AF017790, AL133010, E01614, E13364, AF140224, AK024524, AK024992, AL050277, AF119909, AK025857, AF076464, AK000432, AL137256, AR068466, AF178432, I48979, AF314091, AR068753, AK025378, AK027121, AK026353, AL389983, A90844, AK025084, AL110225, U79523, S61953, AF116691, AF067728, AX042059, AK025669, AF155221, AL157483, AK025658, AF262032, A03736, Y08864, X70685, E12580, E12579, AX045159, S83440, A08910, AC007383, A08909, AF126247, U76419, Y12860, AB033884, U62807, AJ003118, AL049426, AL122093, AF130110, AK026600, AF113694, AF091084, AF119336, AK026480, AK026541, AL357195, AF207751, AF158248, AF039138, AF039137,

AX046405, AL389935, AR081734, AL137550, AF230496, AF017437, AF119899, AB048888, AF217998, AF069506, AF143723, AL137258, AF141289, AL110296, AL157464, AK025209, I26207, AF260566, AL050155, AJ012755, Z97214, AF055917, A12522, AL133560, AJ250403, AF151076, A08908, AK024533, AL133093, AK026870, U67958, AL390154, AF113699, AL080110, A08913, AF116654, AX015425, AK025435, U68233, I92592, AF026124, AK024855, I09499, AF004162, AR005011, AL110222, AF102578, AJ001388, AJ004832, AL137479, AL110218, AL137716, AL049347, AL080118, AF026816, AK026649, X61049, AF132205, AF098484, AF116639, X72624, AK000083, U72620, A08912, AF130099, AL050116, AL096720, AL133565, AF098162, AL122123, AB044545, AR038854, AR022283, AK027200, AL080124, A18777, AL122110, AK027114, AL117463, AK025967, AK026583, X80340, AK025092, AX015403, U87620, S77771, AB049852, AL096728, AL117435, AB030279, AF008439, AK000653, A08911, AB049892, AL137627, AK026547, Y10823, I46765, AF183393, AJ238278, AK025350, AB007812, AK000323, AF047443, I25049, E06788, E06790, AF146568, E06789, U91329, AL080074, U72621, X96540, AB035194, AK026506, L13297, A08907, AB048994, AK026374, AK024594, AF119871, AF116609, U58996, and A49139.	100	915214	1 - 416
BE880116, AI052526, BF826007, AW168408, BF828616, BF828602, BF825755, BF337344, AI972366, BE221760, AW291494, AW296202, BE221730, AI659795, AI376244, BE502654, BF061519, AW628280, AW628245, AI250922, AW025770, AI142836, BE881510, BE933447, AI042083, AI621341, AI927233, AI824576, BF125935, AI628284, AI379711, BG114432, AW827289, AW088134, BF813177, AA740450, AW051088, AI589428, BE540578, AI637584, AL515173, AA731026, AV727136, AI633297, AW089006, AV709543, AV726200, AI609375, AI890887, BF812937, AW163834, AW051059, AI432570, AI819202, AW172878, AI537677, BE880341, AI567582, AI474646, BG029829, AW026882, BG251264, AI537643, AA738052, AV681719, AW410259, AW132107, BG178351, AI634682, AI445620, BG257656, AI581139, AI475371, AI421091, AW084056, AI813633, AI934011, AL513823, BE875243, BG029053, AW169001, AI345688, BF997967, BG122594, AW020397, AA732156, AI289791, AI679550, AI250627, AI801325, AI445256, AA088789, AL514267, AV681859, AI680453, AI583578, AL048323, AI698391, BF913616, AL048340, AI625701, AV682450, AW152587, AI249877, AI366922, BE895765, AW081383, BE965330, AI401697, AI687728, AI540674, AI561356, AW162194, AV682366, AW157183, AW827206, AI587606, AI263584, AI936003, F26535, BE963310, BG113299, AI273142, AI536574, AL514455, AI433611, AI458588, AW025279, BG164117, AI826415, AI440238, BF343521, AI890412, AW983832, BF924856, AI471429, BG256592, BE880182, BG117653, BG163353, BE791620, BE536058, BG032036, BE061378, BE877769, AW080746, AW834282, AI799540, BF032910, BF911528, BF822127, AI476076, AL513947, BE874133, AW673679, AI310332, BG122101, BE889355, AW192461, AW074605, AI866820, AL042382, BE965455, AW983829, AL040241, AI800473, BE544111,			15 - 430
HBGNY08			

BF525492, AI571511, AI436576, BF814447, AI524700, BG254745, AI699823, AI582912,
BE966699, BF964010, AL039011, AI678773, AL045413, AW170663, AI333104, BF970162,
AV750565, AL046466, AI680369, AI567944, AI628324, AA715307, AW191844, BF663186,
AI559586, AA809974, AL514219, AI470293, BF753056, AW081298, AL037582, AL037602,
AI434242, BF904265, AI371243, AI445611, BF033066, AA748353, AW955653, AI434731,
AI270350, AL513809, AI610446, BF764538, BG028859, AW193026, AW129722, AI859991,
BF817392, AI648458, BF816031, AI624693, BF675852, AW029329, AW169784, AV711182,
BG029912, BF809011, AL513757, AW105464, BG180273, AI273189, AW105087, AI869765,
BF032768, BF339322, BE393784, AI884318, BF753053, BE901481, AI933992, AV714085,
BF750875, AW081234, BE047952, AW411043, AI434255, BE907440, AI446046, BF925729,
AI245008, AI538885, AI249389, AL133448, A46720, A46718, X90925, D26512, X83535,
AF067419, A92885, AF225424, Z97214, AL137478, AF260566, AL122121, A77035, I33392,
AL110296, AF116631, AL359600, I89947, AL137554, U87620, I48978, AL389935, A77033,
AF031147, X61399, AL049347, X83544, AF057300, AF057299, AK025573, AK000432,
AR034821, X72889, AP000697, AB033884, AB007812, A07588, AL390154, AL080110,
AK027146, AL137256, I32738, AL157433, AF113019, S77771, AR038854, AF061795,
AF151685, AF119843, AK026649, AL353957, AF116609, AF132730, AK025708, AL137550,
AL357195, AL117626, AI003118, AL080148, AL117435, AK024570, A21103, AK025491,
AF017152, AK026551, AR013797, AL133067, S36676, AL162008, A18777, AK026480,
AR029490, AB048974, AF026124, AF130099, AL110159, S61953, AK024538, AK027160,
AB047631, AL137533, AF102578, AL137479, AL162083, AF183393, X84990, X65873,
A08913, AL162002, AL049324, L19437, AF022813, AF087943, AX014095, AL157479,
AK027144, AK025465, U35846, E01614, E13364, AL137480, A08912, A08910, AK026542,
AF130055, AB026675, A08909, AK025414, AL080127, AC024247, AL050277, AL122049,
AL157480, A08908, AP001726, AL162062, A45787, AF162270, AK024546, AK026462,
I48979, S76508, AB049892, Y10655, AX040958, AK024588, A65340, AF067728, AX042059,
AL080159, AL137530, AF115392, AL080154, AK024944, Y14314, I66342, AF061981,
AL137292, AF116688, AL049339, AL049283, AI299431, AK000212, AX019230, AX020124,
AK026865, AR053103, A57389, AL137557, AK026613, I03321, AK025541, AL122100,
AL353940, E02221, AB044545, AF003737, AF100931, AF126247, AF119875, I89931,
AF217966, AL122050, AF119878, AB050410, AF218005, AK026518, L30117, AF110640,
AF200464, AL117460, AF116646, AF130075, AL050116, AK027142, AF138861, AL117440,
AL133049, AX019229, AL359618, AC004200, Y16258, AC026431, AK026534, I89934,
S75997, AL137627, AK026533, Y16257, E02756, Y16256, AB051158, AR087170, A65341,
AL355719, AL117416, AB048954, AK025431, AK025435, AL117457, AL096744, AF177401,
AL050155, AL050393, U77594, AL133606, AF008439, A08916, AF104032, AF130104,
AJ250403, AF067790, AF130056, A08907, AK027161, AK025958, AK025209, AF120268,

HODGH45	101	917394	1 - 929	15 - 943	AF111849, AF155221, AF017790, AK026624, AF180525, AL050138, AL389982, AF061573, AL133560, U75932, AC003032, AK026633, AB047248, AF065135, AF107847, U90884, AF119871, AF141289, AR070212, AB049900, AF177336, AB047953, AK026947, U86379, and AK026630.
					AW275585, AA489939, AA480561, BF887136, AI285651, BE161469, AW057760, AA648942, AW072963, AI086603, AW630599, BE677227, AL138119, AA280886, R22196, AI038990, AI935827, AI446424, AI754064, AW500532, AA731859, AW855729, AA360082, AI174703, BF792103, AW275640, AI952885, AA425283, AW080062, AW935456, BE967607, BF748493, AA584360, AA330435, AI869406, AV683406, BG231195, AW802912, AI300608, AI183727, BF812696, AA54811, AA489390, BG230829, AW342042, AW963785, AA086391, AW975247, H66812, BE171849, AA345665, BE154761, AA016062, AA370761, AI823395, R43468, AW850089, BF530611, AV695910, BE974200, BF698734, AI623505, AI271693, BF933309, AA551580, AA826079, AU151751, AA018175, AV704185, AW169183, AI028148, AI275989, BF770872, AL043285, AW964164, AA021421, AA640305, AI433262, AW750527, H86246, BF958025, BE154704, AL048969, BF346854, AI274462, BE744372, AL049553, X94359, AC005535, AB032485, AF229986, AB000931, AC004922, AC009362, AL109806, AL158815, AC004835, AC006132, AL035460, S45332, AC002985, AC005000, AC008102, Z92844, AC006166, AL136321, Z79488, AF217403, AF124730, U58047, X69907, AC005251, AL157372, AL008726, AC002477, AC004996, AC002039, AC006115, AP000049, AP000311, AP001718, AL121917, AL080245, AF003626, AC005049, Z98742, AC004000, AC003969, AL162458, AC018663, AC009487, AB023051, AC004643, AC005846, AC005179, AC004650, AJ003147, AC006576, AL136307, AC020934, AC000115, AC010205, AC004811, AC004913, AL160053, AC008403, AF243527, AL353807, AL009181, AL031311, AB040900, AC007249, AL035659, AC009484, AL163249, AL031390, AL133163, AF045555, X84066, AC006317, AC007021, AF060911, AC068499, AL079341, AC020904, AK023361, AP000512, AK026899, AK000252, AC005224, M94634, Z48051, AB004907, AC005944, AC006162, AL050328, AC012442, AL353777, AC006474, AC003688, AC005057, AL034420, AC004148, AP001068, AL445196, AC006137, AC007845, AC004477, AL121653, AL133545, AL139327, U91326, AC006011, AC005154, AL035404, AC011465, AC007879, AC009311, AC005519, AC006376, AC016025, AL137818, AF196779, AC005701, AC008038, AL109804, AC005228, AC004797, AC005409, AC005326, AC004965, AP000221, AL138836, AL353811, Z85995, AC022432, AC073323, U73648, Z99128, AL121890, AC006075, AL139383, AC006121, AC009123, AC006249, AL034380, AL137795, AC004659, Z97206, AL121751, AL031847, AC015550, AC002037, Z69890, Z68287, AC005335, AC004225, AC011491, AC008626, AL118520, AC005962, AC025472, AL133551, AC003101, AC009032, AC005779, AC006388, AC005003, AL008636, Z95116, AC004883, AC004585, AC006455, AL031427, AC007114, AC005098, AC005859, AC005037, AL031280, AC002110, AC000405, AC005546, AC002104, Z99291,

| HWLKE58 | 102 | 917716 | 1 - 2567 | 15 - 2581 | AL957184, AL520230, AL135399, AL515934, BE618778, BF056891, AL520231, BF966712, AI633878, AW515316, BG032703, BG027920, BE042542, AW088411, BE883723, AL518067, BE218306, BE644805, BF087512, BG054496, AW207435, AW771521, AA902264, AW083012, AI818209, AW105148, AI669659, AW514659, AA126445, BF516057, BE465947, AU152940, AI927938, BF031562, AA310489, AW410334, AW182807, BE465917, BE763696, N21466, AA767314, AI420205, AA054496, AA938728, AI493810, AW771502, AI743602, AW675411, AI090291, AI283114, D81907, AI417561, AA427677, N66098, AA043792, AA573278, AA427532, AA431514, AI752320, AI819645, W19853, AA186486, BG003474, W00707, AI278309, BE349516, AA292620, AI366801, AA058340, AW512566, AA349431, AA973972, AI434568, AA349432, BE221654, BF104164, N62707, AI631297, AA766576, AA345941, AA588743, AW189042, AA724174, AW089555, BF432696, AA187281, AI638738, AI678159, N98699, AI440413, AI917203, C02522, AA829470, AA431188, AI332895, AA655570, C00128, BF998349, AI702887, T40865, AA970774, D79887, AI753861, AA766639, AI752319, D78858, AA809488, AA360504, AI962149, AI440138, AA456027, BF352331, T39804, D62361, AW149169, AW089455, T39783, BE618245, AA328062, AI220712, AI925346, H83314, AI668846, T40872, D78824, AI932606, R77568, BE782129, AI587187, N90043, D61745, N78427, AA300827, AA174177, AA350598, AA043666, R61473, BF089446, AW514435, AA126569, BF089445, BE536123, AA329088, AW796219, AW796258, AA455387, AA292619, AA096434, BF570490, AI624981, AI749472, BF837084, BF838288, AW275782, AW275777, AA704575, AW089135, BE940131, BE163882, BE163878, BF090691, AA348799, AK023143, T39879, and T39889, AL035420, and AC004907. |
| HRADL40 | 103 | 919433 | 1 - 1047 | 15 - 1061 | AL523954, AI057097, BE737274, AI740479, BF972939, BE792858, AI797405, BE250379, BE409256, AI418377, BE513939, BG032129, BE734267, BG167040, AI814639, AI817600, AI743696, AW268351, BE563371, AI889412, BF970634, AI623409, BE409777, BE268371, AW612995, BE250540, AW105242, BE464854, AW117856, AW272529, AI745423, BG059988, AI520744, BE407785, AI802882, AW951521, AU151633, AA988074, AA587623, AI864929, AI091730, AI766700, BE299112, BG165794, BE785114, AI382349, AI827080, AI056586, BE387632, AW083461, AI168189, AU129529, AW188543, AI962116, BE789666, AI880229, AI868331, AI338997, AA157276, AW002329, AA258412, AI364317, AW204445, AW197889, AA449331, BF826010, AI564865, AA775328, AW196304, R84307, AA988067, AW473206, AW249890, AA858029, AI480058, AA157315, BG036425, AA192986, BE940591, AA302199, BF109749, AI261917, H08847, T29752, AI742031, AV744823, AW197790, AW197780, AA364515, AA157347, BE205948, AII93424, AA405800, AW243173, AA135269, AA135188, AW250551, AA846661, AA192649, AI760066, AA601382, BF797658, AL036368, AA157251, Z25820, L24774, Z25823, Z25824, Z25821, AC007162, AC005212, Z25822, and U80735. |

| HOFMP73 | 104 | 919895 | 1 - 2026 | 15 - 2040 | AL534904, AL532610, AL516508, AL518341, AL535425, AL536043, BE779892, BE742082, BF342824, BF689584, BE728130, BG036052, BE616486, BE908269, BE263125, BF342337, BE901909, BE744162, AW239327, BE744723, BF314677, BE740545, BE312905, AI909673, BE892672, BF038574, BE741530, BF037150, BF312905, BE616822, BF032371, AW966195, AV683435, BG119309, BF037944, BF314356, BE735054, BE747683, BE907163, BE735491, BF311641, BE260982, BE271649, BE743218, BE736799, BE261948, BE279316, BE313251, BE742646, BE272420, BE336884, BF690789, BE871599, BF689557, BG260726, BE612361, BE737259, BG113153, BE892856, BE281294, AV706514, BF315657, BE898510, BF689643, BF316842, BE261398, BG036139, BF725733, BE939964, BE313385, BE260757, BF525729, BE788732, BE622344, BE742327, BF724840, BE386718, AA037208, AW996326, BE741341, AW160971, BF351816, BF930665, BF976960, BG117567, AV653871, BF984362, BF317414, AW393167, BF691819, BE168310, BG035435, BG252355, BF571880, AA179450, BG119955, AA428750, BE256703, AW390219, BE179920, R91114, AV728232, AI907139, BF087769, AW804565, AI142132, AV647759, AI142136, BF755012, AV723986, AF062716, R52199, AV646258, BE785514, BE260283, AW838307, BE908603, BE174669, BG118190, AV696733, AA082368, BE174445, AA372215, AA337535, AW368737, AV725049, AV658276, AW948691, AW368840, AW948696, BF037070, AV733360, BG121951, BE698728, AA788902, AA559314, BE259919, AA385829, BF341835, BG118704, AA337949, AA360462, AW948698, BF930434, BF923596, AA376841, BE172795, AV692780, AA362386, BEI73127, BF913320, AW068069, BF692127, AW068800, BF803377, T71996, BE173259, AA305777, AW948694, AV708415, W32145, AV709872, BE167028, AW385218, BF081248, AA337859, BF351796, BF844572, AW947386, AA339979, AA379722, AA853192, BF830253, BF907280, BE172880, AA336721, BF032429, BE839327, BE772910, BE772907, BE839310, BE841076, AA337414, AA361134, BE772895, BE839302, BE772893, BE772902, AW450427, BE841048, BE839324, BE772901, AA307018, AA357376, AA360603, BF830142, AV734812, BEI70712, BF761106, BE839315, AV648046, BF229791, L16510, M14221, AF285442, AX013195, M13230, Y18460, L22569, L04859, AJ010277, AF044323, AF078844, Z97214, AR050959, X75295, AL137711, AF274348, AF274347, S83440, X93328, AF032666, U92992, AL353940, AB048913, AL133084, AB047947, S83440, X93328, AF032666, U92992, AR068466, AF171061, AF013214, X66871, AF159148, AL050172, AB050431, AK027116, X62580, E12580, I09499, AB051158, AL389935, AL121952, X98066, AK026885, AL137459, AF126488, AK024747, AF090901, AL136984, AK026642, AF116609, S73498, AL080148, AK025350, II7544, AK000250, AR038854, U62807, A08912, AL355719, U95114, X06146, A08911, AL133665, U89906, AK024594, AB048919, AK025632, AK025658, AK026570, AF139986, AL110222, E02221, AL096728, AL161802, AF130104, AF116691, AF119336, X66862, AF098484, AF218006, AL389947, S76508, U72621, AR064250, U96074, AL137461, AF007142, E12806, E01812, AF113222, AF195092, U42766, J05277, X72889, AB020592, |

					X61399, A08913, M92439, AF094480, AL137533, AF167995, X00474, AF130055, AF204760, AK025484, AF061981, A08910, AL049452, AK000489, AF116631, AL080118, A08909, AF094850, AF067790, AL122110, U83172, AF119883, AL359941, AK026633, AL162083, AF119894, AK027096, AF119899, AL117587, AB041801, AK025906, X80340, AK025092, AL050116, AK025113, AB047883, I32738, AF287051, AF208026, AF002672, AL162079, AF130110, U80919, AK025465, AF116573, AF102578, AJ005690, AL110218, AP000081, AK026556, AL080060, A08908, U96683, X96757, AL096727, AR083264, X66975, E02349, AC004554, AF130342, AL355701, A18777, S79832, AF145233, AF038847, AR070212, Z82022, M85164, and AK000247.
HOFMS02	105	920253	1 - 374	15 - 388	AA076264, AA085092, AA080989, AA075694, AA084890, AA069099, AA084855, AA084814, AA078759, AA083056, AA083017, AA074846, AA070575, AA069969, AA082755, AA075614, AA075818, AA100017, AA070377, AA070995, AA065075, AA113255, AA070965, AA070321, AA075784, AA075592, AA085065, AA134716, AF093677, L07095, V00711, AB042523, AB042524, AB042809, AB042432, AB049357, L07096, and I62858.
HUVHD12	106	921707	1 - 2708	15 - 2722	BE729461, BF795181, BG108619, BF309103, BE733125, BF027564, BF309068, BE296065, BE281099, BE298511, AW410246, AW409779, BF526623, BF308487, BE298767, AW271999, BE299141, BE299938, AW070334, BF309208, AI810901, BE221973, AI693910, AA029642, AI435095, BE388330, AI765687, AW510727, AW470549, AI862580, AI394548, AI972685, BF589734, N98473, BE223075, BF475345, BF434507, BG059921, AI809960, AI762024, BE779192, AW073339, BF221682, BE856254, BE044436, AW410326, AI763319, AA029710, BE302520, BE465271, AI701495, AI017268, AI799592, AI401766, AI392786, BF308873, BE270326, AW131646, BE390072, AW593466, AI371702, AI638231, AI655706, BF939266, AI369175, AW409726, AI204980, BF308645, BE859057, BF593536, BE205950, AW663740, AI360022, AI278134, AA632035, AA039563, BF056862, AI570638, AI204500, AI362875, BE294172, AI340928, AW294855, AI424041, BF196199, AW237311, AI459219, AI766885, AW016416, AI203132, AA504431, BE551227, AA447758, BF111136, AI910708, N57532, AI767238, AI421493, BG231658, BF740107, W56299, AA279292, W55871, AA845967, AI340930, W76092, AI870442, N49400, N66084, AI051272, R49397, AA834166, N92406, W61301, AA977863, AA279270, AA453689, N49489, BE279899, AA039564, N51462, BG054588, R73170, AA911075, BF475817, BF851978, AA769921, AI378019, BF224168, AI928755, AA379570, AW269014, AW592153, AI886020, BE044396, BF852201, T47196, BF852157, T90531, BE081267, AA300798, AA323087, H69590, AI653392, W72845, AA323218, BF054948, BF111142, T83066, W24631, BF924523, BG149504, AI886244, W65365, BE075405, W24197, AI354659, AI419610, T81327, BF917322, N79047, AI880342, AW449928, BE218696, N46989, AI419132, BE219972, BF304931, AA504197, BE299549, AI370420, AI651959, R02389, Z42404, Z38611, AA676675, N53602, AI350904, BF205597,

					T15353, BE828535, AL445192, AB037836, and AX018071.
HMVDQ41	107	922191	1 - 1980	15 - 1994	BE908874, AA403039, AA772356, AA890039, AA706235, AI796685, AW958911, W56103, AA639769, AA707393, AI971384, AI400642, BE349391, AI419056, AA931654, AI074056, AA725449, AW752569, AI278287, AI051080, AA934509, AI056195, AI827412, AA291642, AA252870, AI278795, AI077777, AI344740, AA855074, AA287208, N99681, AA625359, AA707796, AI085793, AA910676, AI375275, AI277706, AA968653, AA482049, AI040845, AA004744, W56146, AA128102, AI038120, AA926651, AI808622, W42934, AI241340, AI419232, AA938251, AA481865, BF939403, N62191, AI350660, AA846421, BE174045, AA928335, AA987944, AA805065, AA325681, AI188852, AI266586, AA401330, AI022609, W37593, AI459456, AA514539, AA480369, AA938533, AA694474, AA694542, AA642598, AI085080, R55037, BF885412, AI719065, AI022981, R36922, AI868718, N94983, AW204000, H62802, AA284488, AA125812, H62716, H41118, AA639530, T49454, BF772108, AV698354, AW847806, H42251, T36167, AI350924, AA782685, AA252893, AI051453, R10302, AA214099, W86591, N76488, H42250, N59273, BE165692, AA781103, BF985470, AI191721, AA680383, H22403, R10303, N71946, W19456, BE142862, AA977361, H22370, W42869, BF935739, R55145, W37488, BF942272, BF942336, AI309601, R10631, R10632, N76744, AA213991, BF929098, T24749, AA725118, AW753876, R55007, AA090452, BE146939, BF772122, AI247921, AW028468, BF939755, AI084241, BE348377, BF991587, H58310, AW058434, BF947830, BF991716, BF947297, BF991604, BF943751, BF947310, AW839223, BE075398, BF764247, BF846830, AL137496, AF303378, AF300796, I76236, I76219, AC023790, AL117345, AC005373, AC010326, AC006584, AF111168, AC010205, V00589, X57170, AC007182, AC007221, AB019437, X06789, AL133472, J00063, AF193582, AF193580, AF193585, AC007954, AF193581, AF193586, AF193591, X71804, AF193590, AC006449, X83747, X83748, AF193748, AF193588, AF193746, X12811, AL109797, AL158824, AF193592, X12622, AC026704, M10817, AC005409, X83746, AC007131, AB015590, X04309, AL162718, AF099810, X16851, X58365, AC004787, AC007131, AB015590, X04308, K01374, X58367, AC005284, AL138976, V00647, L49397, X58368, M35175, X04308, K01374, X58367, M74438, X83749, X63147, J01861, M13919, M13920, AL135978, K01537, X63146, X63145, V01426, J01009, AC007955, AJ245808, AJ242468, AL050331, X56635, X56631, X63148, AJ237911, V00648, S73106, X56637, M13375, X56632, AF284748, AB001499, AP000350, AF284747, X56636, K03511, K03510, AB001495, AF250529, AB001492, AB001493, AB001494, AB001498, AB001503, M13921, X05867, AF250528, AB001501, M18680, AL031658, AC006120, and S73107.
HODGI03	108	922879	1 - 216	15 - 230	
HODHD14	109	922955	1 - 734	15 - 748	AI670994, AA457520, AW008614, AA284465, AU147140, AA834633, W91945, BE879668, BE382371, AA179361, BF841870, AI221804, AL034369, AC008468, AC007394, AC006079, AF003528, AC006231, U96409, AL049834, AL132671, AL121875, AL049594, AC005274,

					AP001538, AL137787, AF022141, AL023693, AP001674, AC002478, AL008627, AL118508, AL161892, Z93015, AL445490, AL157359, AP001724, AJ229041, AL033397, AC005857, AC005226, AC004460, AL445143, AC010389, AF245226, AC011294, AP001693, AC068919, AC020549, AF109076, AC004237, and AC010223.
HODDC03	110	925296	1 - 528	15 - 542	AC009329, and AC020581.
HVCAG04	111	925735	1 - 1594	15 - 1608	AI936826, BE271770, BE385990, AW149665, AW590950, AI990500, BF126050, BF432379, BE392412, BF439382, BE395797, BF125134, AI884686, BE395581, AI742092, BE858216, AW150789, BF939693, BF594242, AI859538, BE378674, BE350014, AI018769, AW338938, BF726459, AI336858, AW075598, AW148557, AI423162, AI363261, AI150931, AI459805, BE395206, AI765236, AW954549, AI391683, AW191974, AI202043, AA173383, AA626797, AW087372, AW075549, R11723, AI937602, AA084249, AA419229, AI566797, AA419214, AA613995, H17965, AV725028, AI499630, AI272281, AA084248, BF054837, BF054680, AA075710, AA075743, AI263480, BG057775, AW771806, AI869176, AA834860, AW128849, AA780222, AA970361, AA574173, R17696, BF935708, AA775244, AA827444, AI969011, AA706146, AA665640, BF726644, AA173739, AI480207, AA496806, H06707, BF508715, AA082074, R14544, AW768971, H17189, AA349894, R43737, AV717094, R41205, AV727120, BF219218, R20352, AA776783, AI767459, AV747689, AI141302, BE386060, AI421975, H06756, AI582720, AI054234, AA582576, BE041936, AI140655, BE746601, BE736301, BF345141, AI299246, BE899287, AI138793, AW014802, BF477409, BF432690, BF125664, AA349893, AI817194, BE827461, AA102212, AA620332, BE858655, BF347279, AA960903, AA994321, AI266676, and AF034633.
HCRCE02	112	925837	1 - 1551	15 - 1565	AW082702, AW182938, N76185, AI760396, AW058256, BF939004, AW890833, BF438133, AI800552, AA996239, AA774721, N39067, AA984011, AI094521, AA456754, AA573698, N95736, N63430, N64772, AA836623, AW890829, T56007, H28396, N48422, H28371, and Z82254.
HHERA91	113	926067	1 - 2542	15 - 2556	AU124593, BF305985, BE378421, BE272083, BG036629, BE273980, AV684577, BF340012, BE873767, AW845240, BE378421, BF984116, BF980548, BF306936, BE780737, BF436316, BF968051, BE392778, AU148420, BE777873, BF970020, BG254594, AV707425, BE898179, BF969458, AA442297, BF307860, BE176556, AI921390, AW083114, AI432643, BE857417, BE908252, AA434090, AW135378, AI907299, AW129697, AI907302, AI559576, BF306438, AW088122, AA577937, BF855709, BG114638, BG005738, AA437232, BF196470, BF850283, BE905441, BF803784, AA558517, AI952737, AW848212, BF810009, BE076517, BF804862, AW020932, AA434362, AA357638, BE272724, BF741455, BF933621, AI834236, AI653899, BF837849, BF964440, AA479851, BG011157, H53665, AI674310, BF741442, BF799562, AA496510, AA853878, BF033991, BG170573, AW292697, BE396149, AA428249, AA477491, AW973725, BF807612, H53626, BF968611, C01952, N41205, AA430740, BG222431, BF765880,

HAGDL82	114	928396	1 - 1864	15 - 1878	AJ277437, AK022597, and AK000530.
					BF038718, AI052255, AI627552, BF433190, AA890036, AW467145, BF513360, AA679966, BE567783, AA932501, AI655727, N95443, AW613958, H15351, AI308231, AA678372, BE567435, AA861702, AW661963, AW661972, AA844485, AA768243, W69720, W69848, AI025683, N42789, N69505, AI271962, AI953406, AA398963, W24323, AI004883, AA564406, N31480, AW296874, N76230, H11150, AA005413, AA398826, AI770002, AI061173, AI147037, R39153, AW859636, AW859227, Z45949, N54527, AI672289, BF671244, H11062, AA661956, AW970819, R14035, Z41567, AA005414, BF095740, BF095666, BE774830, R01400, AA811935, H15726, AI080087, R01399, AI611688, AA491284, AA582554, AA121777, AI079910, AI569086, AI888441, AI298710, AA468923, AA593471, AA565426, AI733856, AI285696, AI040051, AA332989, AI471691, BF842195, BF337291, AA346586, AW327624, AI160117, AA678436, AA302970, AV763538, AI917132, AA191418, T15897, AL035455, AL049985, AC016831, AC004543, AF017104, AL139182, AF200465, AP000963, AC009294, AF205588, AC074331, AC007386, AL136305, AL122001, AL035451, AC004965, AJ229041, AL109919, AL133238, AP001732, AC007405, AL049696, AP001696, AC020898, AL078462, AP001601, AL117337, AB042031, AL121897, U89335, AL353739, AP000472, AC008534, AP002529, AC006195, AC007390, AC007376, Z97985, AC018897, AC006479, AC009493, AP001683, AC007364, AL117187, AP001698, AC005772, AF015720, AL021939, AL356503, AC020655, AL133355, AL078593, AC064878, AL139395, AP002533, AC007221, AC004804, AL049643, AC007545, AC009223, AL135839, AC002525, AC007388, Z84470, AC009179, AL136084, AL121578, AC005899, AC004385, AC005911, AP001712, AC006197, AL022310, AP001706, AP000518, AL049712, AF107258, AC005066, AC004547, AC005701, AL080317, AL031733, AL163268, AL354872, AL391374, AP001697, AL359704, AL137067, AC007842, AP001669, AL136139, AL160033, AF003529, AL031985, AC007157, Z97181, AC006144, AC069298, AC005326, AP001328, AC007077, AC004655, AL391986, AP001700, AL021528, AC008896, Z70272, AL354720, AC007316, AC007102, AL161804, AL050335, AC007653, AC007528, AP001677, AL133284, AL049588, AL117333, AC009468, AC024162, AL122057, AF188025, AL049759, AC009406, AC083863, AB020868, AL445188, AL136300, AC009470, AC004817, AC011248, AL109828, AC007907, AC004865, AC025765, AL160191, AC069026, AC008842, AL135744, AC004867, AL022717, AL121757, AL138958, AL121583, AL445604, AC010596, AL121919, AC011890, AF027390, AC010363, AC006019, AP000466, AF265340, AC005324, AC007790, AE000660, AC010165, AC007597, AC007563, AL035458, AL022719, AL022165, AC005822, AC002288, AL132718, AP002898, AC011452, AL122002, AL137143, AC008074, AC002086, AC026197, AC002472, AC022013, AL031768, AC019171, AL049709, AL050310, AC050310, AC002422, AC005071, AL132773, AL109801, AP001672, AC007050, AP000355, AL137851, AC004047, AP001694, AL389983, AL157413, AC008071, AL117338, AC009506, AC027689, AC000003, AL121593, AC004103, AL050307,

Clone	SEQ ID NO	No.	Range A	Range B	Accession Numbers
HWBDS34	115	930484	1 - 3044	15 - 3058	AP001346, AC007845, AL035653, AJ006996, AC005058, AP001172, AC008079, AP001598, AC022274, AC007262, AC006205, AL390755, AL096776, AL158832, AC003071, AC004053, AL049745, AA025596, and AI625270. AU130359, AU118385, AU130640, AU127870, AU127056, AU128471, AU129803, BE886921, AW188126, BE889704, AU128544, AI114658, AA779297, AI936493, AW188141, AL045312, AI553970, BF002279, BF671616, BF061427, AI139399, AA406422, AW151544, AI150128, AA194584, AW131406, AL047872, AI087327, AI004128, AA887912, BE708344, AI801388, AA010422, AA194501, AI500467, R66419, BE150925, AU117686, H83852, AA973155, H08158, AI910805, H83831, R01915, T75488, AA058677, AA471337, Z41823, AA774580, AA010394, BE041711, T75527, R52813, AI000146, AA214136, AW014661, AI910431, AI798347, R57531, F03794, AA213958, R01963, BE838102, BE707063, BE706963, T86495, R52845, BF110371, AK027051, and D87466.
H6ESA39	116	933568	1 - 1250	15 - 1264	BF033707, BG116039, AI820052, AI399661, BF940969, AW188045, T26603, AI674067, AI091805, AA477591, AA480288, AI218039, AI300906, AW978872, N71816, AI936066, AI245622, AW194052, AA291409, AA639600, AA778322, BG057053, AI334794, BF732599, AI378435, AI201307, AA918657, AW102947, H01857, AA861142, AI352598, AA302632, AA992931, AI360566, AA931399, AA847869, AW967258, AW081519, AI869896, H01858, AI698735, AA403312, AA936581, AA972408, AI025530, AA143416, AA781469, AW341711, AW003441, R46670, AA613528, AA757047, Z92544, and AI391671.
HPCOR06	117	933678	1 - 457	15 - 471	AA455081, AI263465, BF912280, BF912197, BF912198, AC004980, AL109626, AC006031, AC008774, Z83819, AL445590, AE000659, AC026188, AF003529, AL133328, AC023478, and AC034195.
HTFNO06	118	933989	1 - 909	15 - 923	BF684524, BF340318, BG107767, BF681126, AA497123, BE250611, BF673679, AI925369, BE778532, BE250414, AA497045, AI193675, AI125248, AW301040, AA001314, AA063616, BF109644, BF516348, AA039474, AA039475, N91255, AW630056, AW613821, AI991147, AW970517, AI306650, AI128891, AW627576, AW515210, N92376, BF446911, AA781865, AW007579, AA467823, AW630816, AA938705, AA706012, AA467879, AI695530, AA040221, AA831695, AA541653, W73974, AA872459, W72343, AW103804, BE076374, BF331452, AW605476, AA001684, N26202, D31084, AI245152, W19909, BE932204, AI583969, AI672730, AI707545, AA551882, AA578108, AW088337, AA036698, AI365605, BE841269, AA578193, BF931099, AW605475, BG153138, W24618, C02159, W04846, AW975002, AW979204, AW975037, AW976024, AW975942, AW975965, AW971975, AW972845, AW979127, AW972292, AW975032, AW979238, AW975031, AW975628, AW971403, AW976023, AW971404, AW975105, AW969680, AW979208, AW974801, AW975954, AW971968, AW969839, AW972721, AW969885, AW975952, AW974998, AW969791, AW975930, AW974786, AW970942, AW971732, AW975876, AW969673, AW979098, AW973219, AW971375, AW973254, AW979090, AW979106, AW979176,

AW979002, AW973213, AW973717, AW975971, AW975154, AW975981, AW972296, AW972377, AW975632, AW975966, AW974964, AW969643, AW973750, AW979294, AW970936, AW975149, AW975649, AW975028, AW973209, AW975025, AW975254, AW974785, AW974823, AW976511, AW974806, AW974658, AW975585, AW976031, AW974975, AW975027, AW975020, AW971326, AW975019, AW969852, AW971254, AW975990, AW972849, AW970889, AW972867, AW975692, AW979220, AW970969, AW979219, AW975959, AW979169, AW973819, AW969816, AW973185, AW979212, AW969861, AW974802, BG151745, AW971378, AW975634, AW975015, AW979054, AW975167, AW972226, BG153750, AW972660, AW969727, AW973814, AW973775, AW973217, AW969768, AW975896, AW973779, AW976003, AW969874, AW976000, AW975434, AW973262, AW973270, AW970113, AW972884, AW973202, AW972695, AW973805, AW972719, AW976515, AL039074, AW975976, AW979165, AW976510, AW971954, AW972680, AW975975, AW969884, AW972943, AW969759, AW979083, BF592735, AW976982, AW970587, AW973650, AW979175, AW969931, AW973986, AW979064, AW975938, AW975016, AW975138, AW975968, AW970921, AW969766, AW972709, AW979116, AW972806, AW973987, AW975910, AW975943, AW972689, AW972706, AW973164, AW974374, AW970097, AW973824, AW971964, BF588769, AW975904, AW974379, AW969752, AW976037, AW973718, AW973967, AW975933, AW973734, AW973207, AW972882, AW973104, AX046357, AR060234, AR023813, AR066494, AR064707, AJ279014, AR096545, A81671, and AR096546.				
AA747608, AW975995, AA256200, AI431918, AW886025, BF965611, AI621212, AW867016, AV645418, AI436124, BE048562, AW898294, AW880127, AW880440, BE081675, AW997462, AW880432, AW880266, AW946173, AW880359, BE170427, AW880049, AA228900, AW862989, AW899139, AA558500, AW796080, BE816601, BE010148, AW996482, AA640849, BG057615, AW996413, AW893101, BE816610, BE170365, AW270207, BE000410, AA501690, BE827577, AA721598, AW237896, BE181299, AW237940, AW996346, BE088714, AW795108, AA501719, AA557437, AA910096, AW063981, BE170597, AA503566, AW275631, AA259218, AW996170, BE091646, AW899295, BE082424, BE835169, AW946231, AW996655, AA640998, BE826780, AA713882, BE082418, BE826740, BF332416, BE091167, AW866936, BE082383, AW887658, AW894357, AW946277, AA715611, BG059116, BE089449, BE826743, BE170594, BE826769, AA613748, AA658572, AW880433, AA225819, AW946266, AW238729, BE835200, BE835202, BE082440, BE080195, AW865798, BE079906, BE079912, AW865618, AW880070, BE082419, BE082423, AW880128, BE082437, BE827556, BE816607, AW868862, BF478324, AA226655, AW796081, AA170820, AW884606, AW892161, BE089273, BE699508, AW894540, BE816614, AA632977, BE168364, AA558278, BE816615, BE183896, AW821605, BE007276, BE089602, BE184051, AA650193, BE082421,	119	935520	1 - 456	HODFY08
			15 - 470	

					BE835160, BE089293, AW903394, BE089284, BE083828, BE826770, BE089287, BE163413, BE826782, BE835197, AW866656, BE826771, BF735344, AW887483, AW893432, AC006020, AL049780, AC007055, and AL132855.
HRACK27	120	935717	1 - 2723	15 - 2737	AI797673, BF222825, AI638276, BE784408, AV684863, BF217945, AV712945, BF185949, BE707564, AI983071, AW300244, BF949779, BE502956, BF674065, AA999982, BF572901, AI379012, AW237408, BF512700, BE671433, BE221745, AI439170, AI634105, AA256584, AI672401, AA904964, AI742625, AW129743, N45400, AA570413, R17726, R20014, BF593101, H50174, AI287883, AI478134, AW183869, AA629865, AI984609, AI760492, AA126804, AI979187, AA256541, AA400198, AI287866, BE044058, BF954310, AA353809, AL040798, N32088, R14618, AW087798, AA687346, AI949879, AI262174, AI927259, AI912920, AA262622, BE771761, BF590031, AA935907, AI927253, H50126, BF886641, R44828, BF886649, BF957504, AI370543, AW381072, AA400357, AI193434, AI470872, AI473255, AA856870, AB037795, AL133045, AB050258, and D16989.
HRACW30	121	940639	1 - 1092	15 - 1106	BF976230, BF976543, BF663472, BF976289, AV695127, BF663527, BF976434, BF664290, BF975568, BF975451, BF976042, AV703739, BF663671, BF662874, BF975121, AV734840, BF129120, AW575927, BF128686, AW406521, BF664479, BF673606, AW604752, AV651251, AV712126, BF106245, AV683248, AV702504, BF976443, AV682465, AV711839, BF976623, AV696029, AW406562, AV696611, BF663521, AV700457, AV700525, AV696032, AV646747, BF663670, BF663052, AW575963, AV688963, AW950221, BF975235, AW575415, BF106080, AV646708, AW575364, AV733319, BF797505, AV733390, BF663197, BF681319, BF663098, BF664317, AW404714, AV68096, AV683109, AA522693, BF526853, AW864112, AW961249, AV651284, BF974584, BF087519, BF663982, BF664384, AW604755, BF663385, AV694333, AW951137, BF340407, BF975821, AI354387, AW406081, BF976602, AW383594, AW379839, AI569037, AW369231, AW406564, BF795850, AW574924, AI921456, BF976146, BF106352, BF976244, AV653568, AV705457, BF976259, BF375248, AW605034, AW380142, AW964425, AV734918, AW576109, BF878285, BE149494, AI432569, AV720327, BF663826, AI694098, BE711071, AI208910, BF881717, AV688287, AI355534, BG107363, BF976425, AW856063, AI254719, BF878299, AV687177, AW582319, BF337917, BF976649, AV698744, BF869617, AW405980, BF883209, BF829419, AW404417, AI990966, BF128841, BF106055, AW383598, BF795261, BF810843, AI250870, AW405817, AV681466, BF870064, AI749799, BF663663, BF105950, BF812159, BE932420, AW383602, BE939490, AI347602, AW383450, BF128587, BF878293, BF976618, AW383597, BF883316, T58152, T89330, BF878296, AW405753, AW793702, AV692938, AV734331, BF829413, AW383454, AW734312, AV690568, AW383452, BF842477, BF664084, BE064617, AW794639, AV682898, AW383536, AV690475, AW383539, AW383625, AW864088, AW382758, AW391263, AW383549, BF829086, BF828085, AW383591, AI933674, AW406495, BF337912,

1791

AW794438, AW793584, AW383557, BF883327, BF883320, AW474385, AW382752,
BF883314, AW377416, R69401, AV689609, BF882923, BF882925, BF238024, BE149579,
AV734416, AW404099, AW627698, AW574669, AW383559, AV686399, AI582367,
BF882934, AV693657, AW405634, BF753369, BF106176, AW377823, AV723820, BF882935,
AA402992, AW406512, BF663188, AW405723, BF883324, BF882940, AW405301,
AW383446, BF882928, AI469554, AW970891, AW405603, AW382749, AV733018,
AW383550, BF870361, BF870196, BF373204, AW405821, BF883330, BF829409, H24569,
AW404910, AW368484, BF106139, AW869622, AW794592, AV684078, AW383603,
AW406133, AW605264, BE720052, BF795004, AW794574, BE719476, AW383600,
BE719916, BE179094, BE762581, Y14736, AJ010442, AK024974, A21386, M63438, E07333,
AR035237, A94046, AF017732, AF113887, AR031183, A94054, AR031185, AB027444,
AJ010446, AB030640, X95750, AB022656, X95749, E08293, E08292, AB027442, E08291,
AB004304, X95748, AB022654, E08294, AB027436, U07990, AB027438, X95747, AF026381,
U07989, AJ010444, L01411, AP001215, AF027158, M11937, AB022651, X67858, AF178581,
AX023367, L01413, L13309, AR035236, AR035234, V00557, X96754, S49006, AB027440,
AB012910, L13316, U72063, L13317, M11737, M11736, AB027446, U91942, L13312,
L13315, AB027434, L13310, AR038319, AR038305, A33044, L13308, AR048108, AB022653,
A51597, S79311, AR038321, AR038307, I26930, AR018924, AR091716, L13313, A07739,
A07738, I69460, X54110, A67260, I65403, AR051554, A67295, A83197, L22157, AR015961,
A07560, A67342, AX000421, AX000422, AR051553, I07074, AR000007, AR051652, A83232,
AF228328, A70359, A27396, A57359, AF051099, A67340, AX009712, A51868, I69484,
AF103775, M74019, AF103774, L01279, X75612, A99060, L03156, U43770, L03152, X72475,
AF209738, AF209742, AR000006, AR015960, L03150, M87478, S59162, AF209736,
AF198257, U43767, E12918, AF209740, AF228327, X72477, S74681, X72427, X85997,
L13314, U43764, X80304, X72441, AC009958, U43773, X00965, X72444, L06158, D90158,
U57579, U43765, L33034, K02135, Z27173, X85995, L13311, X59315, X59312,
U57577, E01613, S67637, X72424, AF228323, AP001239, U57571, AP001221, A67290,
L38434, X67322, AF103773, X64163, Z68958, U86790, Z68992, X72459, Z37334, M74020,
Z68969, X72462, Y14865, AP001230, M64856, AP001241, M33060, X72480, AF026933,
AF026918, A94038, Z37332, X59318, X93695, E13178, AF103771, X00966, Z37336, E01513,
AX047025, X72479, X72463, AF113889, U57572, X64133, M64855, AP001229, L03555,
L33036, AF103772, M64858, X72460, AC002038, AP001210, L26891, M64857, L26890,
S73911, Z68975, AF124196, AP001219, AP001220, X72808, X72426, X72446, AP001231,
Z00013, T57678, T59642, T59961, T60034, T61902, T61987, T62514, T63859, T64021,
T64100, T64185, T64210, T64374, T64399, T64667, T69915, T69967, T70081, T72256,
T87728, T87732, T87733, T89331, T89943, T89966, T90680, T91549, T91635, T92733,
T92812, T93060, T93086, T93145, T93270, T93484, T93529, T93553, T94575, T94613,

T94761, T94762, T94868, T94914, T95024, T96188, T96397, T96481, T89499, R10121,
T85409, R31179, R31204, R47934; R48142, R48846, R49882, R49985, R52162, R53005,
R53006, R53592, R54661, R54662, R64694, R66359, R66360, R67501, R69406, R69525,
R70249, R70292, R70375, R72237, R72655, R73415, R73918, R76323, R76324, R79142,
H15909, H15939, H21548, H21647, H22016, H24540, H24693, H24696, H24882, H25288,
H25329, H25745, H25837, H25952, H26217, H26358, H26362, H26427, H26751, H27472,
H27649, H28387, H28430, H28892, H39534, H39556, H42611, H42665, H42883, H44320,
H44321, H44423, H44460, H44507, H44560, H44799, H45129, H45432, H45808, H46620,
R83047, R83107, R83214, R83657, R83659, R96848, H53707, H58960, H61152, H61190,
H61200, H61210, H61359, H61798, H62094, H62104, H62386, H67211, H68237, H68597,
H69079, H70727, H71059, H71573, H81531, H95062, H81531, H70727, N22430, N23085,
N23918, N30840, N54795, N68865, AA235514, AA235513, AA236699, AA236700,
AA458504, AA458958, AA459084, AA459173, AA463968, AA464364, AA464407,
AA464511, AA464546, AA419255, AA419282, AA419307, AA421637, AA422089,
AA423799, AA426445, AA425330, AA425798, AA428786, AA429242, AA427530,
AA427675, AA427775, AA230224, AA501808, AA505957, AA506191, AA507895,
AA507908, AA513101, AA513106, AA513662, AA513726, AA515324, AA515343,
AA522919, AA523123, AA523311, AA525476, AA523709, AA527758, AA528152,
AA528249, AA533708, AA541272, AA541525, AA553788, AA554488, AA554495,
AA554630, AA554739, AA554812, H69954, AA581514, AA581532, AA582449, AA587114,
AA588154, AA593912, AA595494, AA595666, AA600967, AA603760, AA604664,
AA610868, AA613137, AA614527, AA614556, AA617702, AA617875, AA617895,
AA617900, AA617962, AA617979, AA622684, AA631551, AA631559, AA635848,
AA640044, AA640138, AA569308, AA569312, AA573635, AA574267, AA577544,
AA577546, AA580158, AA580217, AA580391, AA578556, AA578829, AA657937,
AA687808, AA689354, AA713629, AA713636, AA713638, AA713717, AA713774,
AA713863, AA713873, AA713883, AA714008, AA714438, AA714688, AA715196,
AA715256, AA715269, AA715274, AA715279, AA715286, AA715519, AA715529,
AA715531, AA715948, AA715952, AA715964, AA720572, AA721525, AA721532,
AA721587, AA721595, AA721612, AA728872, AA728902, AA729131, AA729245,
AA729969, AA730115, AA737747, AA737812, AA737992, AA738004, AA738161,
AA742485, AA742497, AA742676, AA742761, AA742773, AA743958, AA743967,
AA743994, AA744083, AA744101, AA744108, AA744151, AA744160, AA744191,
AA744221, AA744293, AA744322, AA744411, AA744447, AA745324, AA745341,
AA745421, AA745427, AA745457, AA745465, AA745474, AA745472, AA745520,
AA745534, AA760955, AA768062, AA804968, AA807388, AA807466, AA807477,
AA808806, AA808975, AA809004, AA809020, AA809035, AA809036, AA809145,

AA809154, AA813967, AA825950, AA825953, AA826226, AA827361, AA827547,
AA831800, AA831804, AA831907, AA832014, AA832131, AA832139, AA836798,
AA847287, AA847529, AA862826, AA873059, AA876162, AA876204, AA865681,
AA879001, AA886456, AA887040, AA894510, AA902310, AA902791, AA903636,
AA903959, AA904149, AA904215, AA904281, AA907781, AA910100, AA910107,
AA911326, AA911383, AA911393, AA911403, AA911518, AA911527, AA911599,
AA918738, AA922632, AA922760, AA923000, AA908643, AA934779, AA935235,
AA937335, AA953218, AA953329, AA961346, AA961377, AA961740, AA961783,
AA961884, AA962089, AA962121, AA962390, AA962670, AA968712, AA968773,
AA969539, AA970727, AA974530, AA976834, AA976969, AA977270, AA977400,
AA983388, AA983408, AA983505, AA985452, AA987366, AA987367, AA987976,
AA987994, AA991711, AA975666, AI000378, AI002141, AI001720, AI001852, AI005590,
AI014742, AI015376, AI066800, AI073342, AI075095, AI075106, AI073922, AI073928,
AI073947, AI073954, AI081162, AI081171, AI081176, AI081642, AI082263, C02031,
AA641494, AA641683, AA641697, AA642126, AA643240, AA643308, AA643465,
AA643468, AA643474, AA643471, AA643483, AA650008, AA650402, AA650453,
AA650474, AA650512, AA650531, AA650538, AA654410, AA654490, AA654592,
AA284839, AA284699, AA284878, AA284573, AA284663, AA291433, AA291844,
AA292024, AA292249, AA293085, AA293086, AA293305, AA293794, AA394093,
AA393997, AA398944, AA399619, AA401087, AA401626, AA402392, AA401710,
AA405772, AA411505, AA410552, AA410551, AA411066, AA430327, AA437371,
AA443572, AA456802, AA454601, AA454834, AA455127, AA476271, AA477028,
AA477077, AA479547, AA479711, AA479779, AA477153, AA477648, AA477993,
AA477994, AA478278, AA478316, AA478337, AA478432, AA480049, AA482252,
AA482349, AA482418, AA482492, AA485448, AA485544, AA485725, AA485862,
AA486362, AA487877, AA487988, AA488070, AA455803, AA486564, AA486951,
AA496563, AA625528, AA634083, AA634904, AA664025, AA664091, AA664198,
AA668833, AA669084, AA630198, AA630202, AA630272, AA457096, AA405676,
AA405753, AA716474, AA775206, AA835460, AA835486, AA845214, AA845257,
AA845297, AA845696, AA845788, AA845791, AA845893, AA889053, AA984881,
AA985057, AA985264, AA989601, AI003435, AI005632, AI091204, T63882, T89673,
T89967, AI242267, AI245156, AI249372, AI250670, AI146646, AI146659, AI147516,
AI264770, AI267920, AI270330, AI275730, AI276295, AI276398, AI281435, AI281506,
AI281511, AI281519, AI282537, AI282552, AI282638, AI282757, AI282804, AI283391,
AI284102, AI284459, AI285497, AI285550, AI285637, AI285702, AI285772, AI285789,
AI285798, AI287261, AI287876, AI288308, AI288383, AI289336, AI291154, AI301588,
AI339516, AI340925, AI349166, AI351113, AI355236, AI355284, AI355635, AI358121,

HOFOC32	122	941969	1 - 1883	15 - 1897
			AI358445, AI362109, AI365277, AI365311, AI370320, AI371360, AI214522, AI215198, AI453378, AI445212, AI445980, AI434073, AI434136, AI439499, AI432004, AI453147, AI472629, AI418626, AI418713, AI475324, AI471449, AI499556, AI499982, AI500126, AI492744, AI524363, AI540661, AI499245, AI499458, AI566466, AI566627, AI567410, AI569167, AI569991, AI570121, AI571089, AI571435, AI571446, AI571637, AI572059, AI584059, AI125041, AI623344, AI623818, AI624589, AI624673, AI627906, AI174298, AI653571, AI653821, AI246108, AI253496, AI253563, AI253674, AI253721, AI253762, AI538016, AI279542, AI587628, AI589408, AI590046, AI597792, AI597961, AI589040, AI610117, AI610862, AI634335, AI634929, AI635183, and AI635222.	AL532432, AL532431, AU132058, BE798843, AU139276, AU119208, AU138608, BE779199, AL042862, BE619080, BE619600, AU137132, AU138251, AU139095, BE736021, AU139250, BE736975, BG166907, AV702693, AU135166, BF680307, BF724892, BG032973, BF694955, AU117328, AV699036, AL080042, BF338982, AV699058, AV683938, W02541, BF126282, BE439809, BF377282, BE047356, AA410911, AW374122, AV691776, BF762187, AW957493, AV687261, AW629925, BG252180, BF762186, BF367040, AL535766, AW899940, BF951967, AA053196, W45135, BE831552, N24471, BE545515, AV654362, AA813270, AW892301, BF356093, BF855109, AI459881, AV763974, AA336819, AA373756, T83705, AI669408, R96269, BE246428, N73356, BE677673, BE241862, Z18911, N39900, AA345382, AA090019, BF996474, R17144, H99188, AW615320, BG010667, AA294859, AA089600, H04517, BF376026, BG236821, H23366, BF889430, AW390191, BF061792, BF968205, AL046849, AI613017, BG058208, BF882343, AV727776, BG110684, AW059837, AI249257, BE781369, AL040243, AI633419, AI828731, AW129202, AI284020, AI273142, BF970449, AW196141, AI554484, AI912866, AI702406, AI445165, AI702433, BG164371, BE047952, AI872711, AI568870, AI952360, AW118512, AW131954, AI612920, AI349933, AI690312, AI570384, BF724691, AW071417, AW002342, AI569616, AI475451, AI799199, AW082040, AW169671, BG179993, AI610756, AI866002, AI433976, AW132034, AI678302, AI499463, AI610645, AI636445, AL043326, AI811344, AI571551, AL120854, BF055737, BG031664, AI224992, AI554427, BE963918, AI636719, AI539153, AI269696, AW071349, AI868831, BF792469, AI498579, AI590120, AI922901, BF795712, BF344652, AI349772, AI648684, BE964700, BE964812, AI857296, AI537677, AI539771, AW301409, BF812933, AI866608, AI866100, AI269862, BF343172, BF341801, AI308032, AI862144, BE544111, AI440239, AV732936, BG180034, AI612759, AI491852, AV735353, AL045266, AI273048, AF112227, AF153979, U49188, AK026045, I48979, AF219137, AL133640, I89947, S68736, A93016, I89931, AF218014, L31396, L31397, AF113676, AF125949, AF104032, AF090903, E03348, AX019230, AK026855, A08916, AL133093, AL389978, AF116644, AF158248, A08913, AL133565, AL359596, AF116649, AF116639, AF113013, AK026865, AF078844, AF130082, AL050393, AX046603, AK026741, AX019229, X84990, AL133557, AF116602, AF116646,

HTTDM15	123	942511	1 - 1895	15 - 1909	AL080060, AF090934, AF113691, AB041801, AL049452, AB049758, AF017152, AL110221, AX006092, AL080137, AL137527, AF113690, AF116688, AF113677, AF130059, AL390167, AL162083, AF113689, AL359601, AF113694, X63574, AK025958, AL442072, AF090901, AF113019, AL122121, AF118064, AF119875, AB048964, AF118070, AF207829, AL122050, AF130092, AF130075, AL157431, AL122093, U42766, AR059958, AF090943, Y11587, AB047615, AL080124, AB019565, AL133075, AL133016, AK025772, AL050277, AF116691, AF106862, AL122123, AF119878, AL049314, AL050108, AK026608, AF116631, AL050116, S78214, AF119899, AK000618, AL117460, AF130104, AL050149, AL442082, AL389982, AK026647, AL110196, AK025339, AL162006, I48978, AJ242859, AB051158, AL137557, AB048953, AF113699, AK000137, AF111851, AK026744, AK025084, AF130105, AF090900, AL117457, AR079032, AF138861, AL050146, AF111847, AF090896, AL133606, E07361, AL137459, AL133080, AL050138, AK026533, AL137283, AL049466, AK027096, Y11254, AF091084, AL359618, AL096744, AL049938, AJ000937, AK000212, AF314091, AF146568, AF079765, AF125948, AL110225, X82434, AL359941, AF119909, AK026784, AK000652, AL117394, AK026592, Y16645, AK027113, AK000445, U91329, AB048954, AK000083, AK025092, AR087170, AL353940, AK026583, AL359615, AK026452, AF017437, AK024538, AF242189, AL137550, AK026532, AK025491, AK026542, AK026504, AK026947, AL133560, AL049464, AF116682, AK026534, AF130066, AL122098, AK026927, AL117585, AR011880, AF225424, AF271350, A65341, AF177401, A08910, AL049382, AK024524, AK025391, AF097996, AK026959, AK000323, AL049300, U00763, AL049430, E02349, AJ238278, A08912, E07108, AB047904, AF177336, AK025967, AL050024, AL117583, AF067728, AX042059, AK026353, AF130087, AK027204, AF130099, AK025414, AB052191, AK000432, AF119871, AB052200, AL117435, AK000647, AB050510, A08909, AK026630, AK027164, U80742, U72620, AK026086, X70685, AL359583, AF183393, AF130077, AK026528, AF118094, Z82022, AX026824, AX026823, A58524, and A58523. BE883532, BG107414, BF314540, BE898459, BE746984, BE542496, AW958579, BF573504, BE734208, AU125474, AW953779, AW292502, AI802426, AU149129, BF575571, BG031927, AA436628, AU150986, AA076658, AA046746, BF081743, AA046670, AW294732, BF095716, AW673051, AW601449, AW601455, AI601235, H66950, H66951, R85537, AA363520, R40736, AI202299, BE092409, AA363830, BF085875, AV749014, AW190087, AA808657, T98596, AW896216, T98595, AA355808, AI910194, AA079565, AW377204, AW377198, AW377106, BE699057, AW377170, AW752839, AW362224, AI223245, BE186054, BE832662, AW579894, AW579890, BE876022, AW377180, AB007866, and AL109823.
HOVAY63	124	944031	1 - 729	15 - 743	R32912, R32812, and AL022725.
HDPFY41	125	946502	1 - 2106	15 - 2120	AL042656, BF982270, BF678765, BF095732, AW971745, AV681512, AV681529, AV681509, AV681500, AV681492, AV681492, AV645393, AV645392, AV645390, AV645385, AV681526,

AV645336, AV645317, AV681507, AV681465, AV681525, AV681495, AV681505,
AV681502, AV681504, AV681486, AV681483, AV681464, AV681462, AV681487,
AV681506, AV681523, AV681519, AV681497, AW812618, AV681471, BF095731,
AV681513, AV645358, AV645401, AV645332, AV645383, AV645377, AV645379,
AV645389, AV645369, AV645380, AV645321, AV681527, AV681501, AV645400,
AV645404, AV645353, AV681458, AV645334, AV681510, AV681528, AV681474,
AV681514, AV645339, AV681477, AV681491, AV681472, AV681475, AV681488,
BE613349, BE612945, BE622828, BE613070, BE614237, BE614307, BE613136, BE622931,
BE621911, BE614230, BE622925, BE618811, BE622868, BE620742, AV681461, BE614451,
BF679682, AV645350, AV645344, BE620756, AV681531, AV681468, Z99396, AW861944,
AW804686, AW392670, BE695785, AL119341, U46341, AW604723, AW877209, AW372827,
AW858526, AW577135, BE705903, BF868697, AW858525, BE705906, AW384394,
AW861889, AW858455, AW363220, AL119457, AL119497, AL119355, AL119319,
AL119324, AL119363, AL119443, U46346, U46351, AL119484, AL119391, AL119444,
AL134902, U46350, U46347, U46349, AL134533, BE705905, AL119483, AL119396,
AL119335, AW861954, AL134528, AW604726, BF868687, AL119439, BF868684, AL042433,
AL119522, AL119399, BE705904, AL134920, AL037205, AL119496, AL119401, U46345,
AL134536, AII42132, AL119418, AL042450, AL042614, AL134525, AL134538, AII42131,
AL119464, AB033091, AL050294, AB051127, AR080280, I25027, AR054109, I44515, I26928,
I26930, I26927, I25041, AR069374, AR069375, I44516, AR091518, AX009487, AR035224,
AR009152, AR009151, AR093392, AR093383, AR093384, I85513, AR027099, I05393,
A10617, AR028792, A94046, A94054, A01324, A01323, AR034783, AX030966, I63120,
AR067733, AX009486, AX029455, AR064322, AR064323, AR064320, AR064321, A94048,
A94061, AX027785, AR038307, AR083321, A49045, I05430, A83642, A83643, AX035462,
AX003194, A70359, A32110, AR083151, AR019094, A92666, A92668, I49890, A92667,
A92665, AR028791, AR028793, AX032758, AR018924, AR018923, AR000006, AR015960,
AR015961, A48774, A48775, AR000007, AR051652, AR091393, AX008865, AX008867,
AX008868, A92081, A92080, A92077, A92078, A92079, AX030369, AX030368, AR069413,
AX033488, AX033489, AX033490, AX033474, AX033486, AX033487, A91752, A91751,
AR069417, AX036660, AX036661, AR068508, AR068510, AR068509, AR091571, AR085090,
AR003585, I58322, I58323, A85308, A91754, AX026821, A63067, A51047, A63064,
AX044426, AX044425, A63072, AR031375, AR068507, A60213, AR068506, AX046332,
AR062871, AX001323, A44171, AX027908, AX027904, AX027906, A49700, A60207,
A60208, A58521, AX001324, AR068550, A23373, AR068551, I58669, A29109, A32111,
AX004550, AR031374, I07209, I07249, A63954, AX026820, AR019098, AR051651,
AR019097, AR020199, AR020200, AR001287, AR020198, AR020197, AR029418, AR067734,
AR067731, AR067732, AR029417, I89986, AX024906, AR085093, AR051957, I09121,

HCOPB92	126	948608	1 - 466	15 - 480	Y14971, AR019096, A93444, A46342, A46343, AB026436, AR055065, AX046357, AX040911, AR054110, A30600, AR032878, AR055066, AJ251859, AX030435, A81671, AR066494, AR060234, AJ279014, and AR069079.
HBJHO83	127	948708	1 - 963	15 - 977	AW139587, AW206289, BF439266, AI418005, AA196170, AV721569, AI493150, AI539840, AA827263, BF525553, AA342835, AV723060, AL135079, AA992466, R84740, AA018860, AA889455, AI032948, AI086195, H05897, AA136660, AI052553, AA335442, R96455, AW341838, R96454, AI204085, AW277153, AI004047, BG253018, AI916309, BE219764, BF439900, AI123630, AW339238, AA521073, AI144557, AA935749, AW207577, AI269030, AW513165, AW611961, AI554132, BF335547, AW604457, AA777781, AA946701, AW604440, AI184875, AW578528, BF945235, AW205588, AV720037, AW373059, AW373058, BE706100, BG026120, AC007276, AC009276, AC078847, AC020910, AC008760, AC022143, AC008747, AL117337, AF205588, AL050308, Z98950, AF030453, AC005088, AL110162, AC005919, AC003682, AC009196, AC011449, AC007793, AP001748, AP001630, AL356234, AC022150, AC005229, AL031432, AK022963, AL031846, AC006987, AL031602, AC008969, and AA583226.
HCOPB92					AC000120.
HWMEO44	128	948719	1 - 3170	15 - 3184	AUI37551, BE395366, AI304317, AW873045, AI860936, BF055055, AI394148, AI807018, BE930782, AU157883, AI131366, BE930853, AA862613, AI377403, AA126958, AI279884, AW473660, AW297366, AI951292, AI801182, AW206733, AA659802, AII27181, AI807789, W35110, AW044562, AI263384, AA626115, AA127167, BF886019, AW474787, AA133858, AW438973, AI478424, AI350993, W23677, AU139094, H48882, AI784505, AI873664, AA133857, BF478061, BE547913, BF973166, BE154191, BE814299, AI015764, AI520921, AA295407, BF820817, AI826302, BE002337, AI891052, AA310690, R86154, AI718930, AI890831, AW999311, C02402, AA669161, BF094289, AW612303, AA506435, F05073, BF931686, AI056063, AA326471, AW962216, AA485879, BF916803, AA814996, AW995444, AA633940, AA628592, AA514284, AK023661, AL137608, AF038963, AF181119, AF319661, AC010139, AL158824, AC020647, AC004021, AC008179, AL356118, AP001625, AL121763, AL138996, AP001747, AC062033, AP001626, AL359693, AC005704, AC009262, AC004863, AC005686, AL445465, AL158159, AL031073, AC007021, AL034452, AL355382, AK021584, AL118498, AF270569, AC009113, AL158033, AC018900, AC006988, AC078937, AP001039, AC007749, AC009410, AL136300, AC009757, AL359694, AC007455, AL121933, AP001732, AC000392, AC010361, AC005017, AC007363, AC006322, AC012405, AF131798, AC005521, AP001671, AC004231, AL355492, AL221719, AL391818, AF130359, AC005815, AC008177, AC009294, AF212831, AL356954, AC011184, AC006024, AL136501, AC007677, Z80771, AL049833, AC008123, AL138714, AC008952, AC026239, AC008838, AC009365, AC004108, AL163213, AC004078, AC005948, Z54246, AL357129, AL159996, AL121947, AL096828, AC009362, and AI310056.

| HFXJA96 | 129 | 949001 | 1 - 1041 | 15 - 1055 | BF793559, BE742939, AW007066, AI869968, AW273225, AI700037, AA443693, AW291991, BE328045, BE747815, AA777593, AI420588, AI033693, AI457222, BF221961, AI954483, AW084920, AI049858, AA203157, AW958390, AW194899, AA777584, N99910, AI150737, N99913, AA379692, BE468258, AA527616, AI458637, AA447078, W25289, BF845179, R80028, BF572256, N75501, AI214958, AI241596, BE799357, F10487, BE736238, BE392003, BE464214, BE391216, BF090234, R79938, R00703, BE735896, AV718692, AW966330, AV707024, AW975618, BE312058, C14331, AV742732, AW964468, AV724520, AV718681, AV705066, AV718489, AW973541, C14389, AV718800, AV699550, N71180, AV720791, D80164, AW978634, AW973445, AV701645, C14429, AV727990, D59467, AV699927, AW966053, AW973445, AW966054, AW960465, AV721644, AW966062, AW960553, AW964477, AV719468, AV720211, AV719783, AV720464, AV719188, D80227, AW966534, AW966022, AW966050, AV731510, AW959062, AV703472, AW966531, AW966041, AV718707, AW966013, AV719822, AW959570, AW966029, D51799, D59275, D80195, AW975621, AV701004, AW966075, AW966065, AW966065, AW949654, D59502, AW973334, AW959597, AW959799, AW965185, AW965197, AW965175, D80269, AI611738, AW973307, D59610, AV723772, AV742048, AW949641, AV719557, D58283, AV720731, D59859, AV720150, AW959582, AV699447, AW975613, D80022, C15076, AW959628, AW960473, D80166, AW973474, AW973488, AV718931, D59889, AV720203, AW964756, AV718938, AW965158, AV738340, D51423, D59619, AV718633, AW975605, AW978661, D80210, AW965163, D80391, AW973485, D80240, D81030, D80253, AI802240, AV703042, D80043, D59787, AW958992, AV722801, AV719324, AV718440, AV720028, AW956434, AW965177, AW965196, AW965184, AV720878, AV718844, AV718770, AW973482, AW966389, AW958993, AV723927, AW959136, AW964488, AW962082, AW949656, AW949642, D80378, AW964737, AW960454, D80038, AW959202, AI557751, AV744690, AV683513, AI358701, D80212, D50979, D80193, D80196, D80188, AW949646, AW949633, AW966059, D80219, AV720220, D59927, D51060, D80241, AW949658, AV741220, D57483, AW966043, D50995, AW975623, D80024, D80366, AA305409, AW960532, AV721386, AV700889, AV742735, AW949629, AW949632, AW962245, AW973330, AV720812, AW956397, AW949653, AW949645, AW949631, BF089679, AW949643, AW949618, AW949657, AW949655, AI829327, AW966030, BG029829, AW966032, AV723097, AI610645, AW964532, AV742022, C14407, D80045, AW753053, AW966023, AW960570, AW177440, AW959469, AL036954, AW973490, AW103442, AW960504, AW973447, AC011500, AX033851, AX047063, AR018138, Z82022, A84916, A62298, AX047064, AR070327, A62300, AJ132110, AX027925, AJ302649, Y17188, AR072729, S68736, AF058696, AR087649, X82626, AL137480, AX047062, A30438, AX021518, AB028859, AK024594, I48978, AF106657, AR008278, AL096744, AF119865, X67155, AX040974, D26022, AX035434, A25909, AL133072, I89947, AK026927, AF113019, X68127, AK027204, |

					Accession Numbers
					AX020191, A67220, D89785, A78862, D34614, AX020190, AR038854, AL137529, A82595, AK026532, I48979, AK025092, AK024538, AK000137, AL359583, AL389939, AF230496, AX026824, AX026823, AB048919, AF081197, AF081195, AK000323, Y14314, AK026542, AF177336, AX028130, AL137533, AF097996, AF061795, AF151685, AL023657, A08913, AF017437, AK024588, AK026597, A77033, AL353956, AL137488, AL359618, AR079032, U35846, AL122050, AK000250, D88547, AF130099, AL122093, AF116688, A08916, AK026462, E12747, AF026816, AF090934, Y11587, AL080159, I33392, AK026045, AF116654, AL157482, AF061981, AL117435, AK027096, AJ299431, AB048954, AF079763, A08910, AK026504, AF090943, I89931, AL137478, A08909, AK026583, AF111851, AF090896, U79457, AL117394, AR087170, AJ000937, AL137459, AK027193, AL133075, Y12724, AL137476, AF111112, AL389935, AR016808, AL121110, AF130055, AF087943, AB050410, AL117416, AF113222, AF090900, AF130082, AF260566, AL133606, AL122123, AR083266, AK026480, AF225424, AL359596, AK026885, AF119909, AK000083, AK027146, AK027164, AF116646, U87620, AK025708, A45787, U80742, A08912, AL137521, AF061573, AL122121, AL162002, AF116691, L19437, AR077702, U67958, AK026744, AK025414, AK025209, AX045627, AF217987, AK026506, AK027213, AK025632, AX020124, AK026452, AJ006417, AF116639, AK026408, AF119899, AF217966, AF132676, AF061836, AL359601, AF090903, AL080060, AF067790, AL162083, AK000418, AF119875, A18777, A65341, A08908, AL137648, AF026124, AF242189, I09499, U68387, AL442082, AL137705, AL050277, A21103, AF314091, AL110197, AK024992, AB048953, AK026526, AF116610, AF218014, AK026959, AK000212, AK027182, AL117460, AL050149, AF158248, AF177401, AL080148, AL050138, AL050393, AK026647, AL110280, AL080124, AX019230, I41145, AL353625, AF162270, AR000496, U39656, AL133640, AL049314, AF210052, AK026762, AF183393, AF111849, AL133016, AF125948, AL353940, AF056191, AF104032, AK000718, AK026865, AF113690, X82434, AF100931, AB052191, AL133080, AF130105, A07647, AB049758, AL117440, AF185576, U78525, and AL137294.
HTLGV19	130	949574	1 - 744	15 - 758	AL518685, AU118408, AI392811, BF435451, AA478198, AI435141, AI803046, AA478040, AW206706, AW367708, AA846117, AI928295, AI928292, AK024084, and AF178985.
HMSAC18	131	950257	1 - 1201	15 - 1215	AU130929, AI814257, BF666825, BF110784, AI935638, AI420022, AA777386, AI554876, BE671069, AI014540, AI688634, AI697997, AI688556, AW297238, AI806683, AW263154, AI589076, AI149951, AA806969, AI741202, W44753, BF515202, AA974046, AA931887, BE763568, AA382865, AW969873, AW614265, AW082158, AA781969, R23772, R09585, AI207121, AA484643, AI538065, AW440609, AI619547, AI088390, AI741925, R09490, AW196711, AI584006, AI702846, AV755023, AL043103, AW959372, AW951170, AB023584, AF228917, AB020860, AK001608, Z47777, A30438, L40401, I25947, U46128, AJ133038, and AR040601.
HAPRB43	132	950475	1 - 2152	15 - 2166	BF338835, BF793959, BG260639, BF971421, BF029896, AI654147, BF132023, AI810992,

AI589186, AA910037, BF727158, AA570707, AI765595, AW188411, AI806437, AI760065,
AI890968, AA227446, AW237851, AI337043, AA922182, AA227501, AI050958, AI283160,
BE540305, AA227513, AA226738, AA226812, AI470530, AA916642, T89323, AW152530,
AV702280, AV702486, AV706734, AV726505, AV703980, AV729597, AV707401,
AV727238, AV702832, AV648619, T89959, AV705525, AV727017, AV739017, AV704605,
AV728652, AV704059, AV708991, AV701536, AV707088, AV727052, AV728255,
AV703972, AV687176, AV702343, AV729366, AV727314, AV706882, AV651897,
AV707451, AV709356, AV727103, AV729473, AV726628, AV707948, AV704924,
AV727126, AV703417, AV726559, AV702958, AV702671, AV707589, AV705504,
AV707420, AV706104, AV706989, AV703505, AV704865, AV707783, AV728546, T94622,
AV725031, AV709235, AV727583, AV729129, AV702728, AV725369, AV725645,
AV702354, AV702673, AV725497, AV726653, AV702787, AV704879, AV704981,
AV707942, AV705234, AV727459, AV725088, AV703090, AV707268, AV727469,
AV708988, AV702427, AV729017, AV706683, AV726754, AV704590, AV725321,
AV706290, AV683285, AV705814, AV701873, AV705263, AV707640, AV708720,
AV703761, AV727355, AV753729, AV655067, AV728455, AV703388, AV701832,
AV705550, AV650367, AV702498, AV701728, AV702792, AV706357, AV727018,
AV701783, AV706012, AV729220, AV702851, AV706655, AV683012, AV727018,
AV701858, AV706220, AV726830, AV708347, AV707649, AV726783, AV707528,
AV706659, AV653897, AV709935, AV706964, AV705416, AV725181, AV656004,
AV728715, AV724987, AV709273, AV701874, AV704757, AV704592, AV701876,
AV725152, AV706718, AV704279, AV726761, AV708809, AV703525, AV705443,
AV729242, AV727822, AV647654, AV707798, AV705866, AV645778, AV703214,
AV702187, AV652156, AV706677, AV702928, AV701538, AV699153, AV656240,
AV725991, AV707458, AV701611, AV704116, AV697638, AV702798, AV705047,
AV701879, AV702869, AV704245, AV702345, AV703940, AV702854, AV707794,
AV707155, AV706724, AV708872, AV709897, AV704520, AV725920, AV702954,
AV704954, AV650843, AV703437, AV702998, AV701586, AV706925, AV701183,
AV651704, AV706874, AV725386, AV705321, AV701953, AV728997, AV703232,
AV703515, AV728779, AV709733, AV703862, AV706741, AV709494, AV726755,
AV707117, AV701496, AV702339, AV647692, AV707171, AV705343, AV705312,
AV728523, AA227372, AV703436, AV703030, AV727139, AV709222, AV709244, AV706532,
AV705201, AV709886, AV703030, AV726681, AV727562, AV725043, AV705312,
AV706758, AV699156, AV726681, AV727255, AV729255, AV727562, AV729593, AF124522,
AC004456, AX020190, AR088705, AR091393, AR079804, X81969, AR017907, I18895,
A25909, AR062871, AR038855, AX035462, Y16359, D78345, I13349, I66485, I66487,
AX008555, AX009712, U94592, A85395, A85476, AX032758, AX028305, AX035980,

| HCCMD55 | 133 | 956895 | 1 - 831 | 15 - 845 | AJ244005, A91965, AJ244004, I44681, AX009487, AJ244007, AX026823, AX021518, AX001322, AX026824, AR062872, AJ244003, AR037157, AR062873, AX006816, A20702, A20700, A43189, A43188, AX006825, AX006826, AX001082, AX006822, Y09813, AX042372, AR008429, A98767, I15717, I15718, A93963, A93964, I63120, AR038762, A98420, A98423, A98432, A98436, A98417, A98427, A84775, D50010, A86792, I08396, X83865, A84772, A84776, A84773, A84774, AX047064, AR054109, AX006821, AR067731, AR067732, A58522, A91750, A58524, I08395, A58523, A93016, I05558, AX047063, M28262, E03627, AX011024, A18053, AR031566, I48927, A90655, AR096545, A60212, A60209, Z32836, A60210, A60211, I62368, AX003207, A02712, I84553, AX027636, AR073846, I84554, A77094, A77095, AR080470, AR077142, A81878, I00682, AX033488, AX033489, AR069650, AX033490, A95051, A18050, AX012337, A23334, A75888, I70384, AX033474, AX033486, AX033487, A64973, A60111, A23633, AR007512, I49890, A35536, A35537, A11623, E00609, A11624, A02135, A04663, A02136, A04664, E13740, A11178, E01007, AR095492, A22738, AX006823, A10361, I06859, AR043601, A11245, AX032992, AX032993, I03331, AJ270780, A02710, E12615, AF149828, AX018504, AR035193, A92133, E14304, A07700, AX027811, AX027809, A13392, A13393, AR031488, I13521, I52048, A27396, AX027813, AX030369, A70872, AX030368, AR069374, AR027100, I44531, I28266, AR069375, AX042377, AR083151, AX027812, AX027810, AR091518, AX027816, AR072535, AX042375, AX027817, AX027818, AX027814, AR085082, AR085089, AR085091, I21869, AX042373, I44516, A70040, AR085079, E16678, A82653, AR085083, AR093385, E16636, A95117, AR093392, AR074365, A24783, A24782, AR095490, AR095491, I01995, I08389, I25027, AR069426, AR038066, AB043473, I26929, I44515, I26928, I26930, I26927, I08051, I60241, I60242, AR069417, A20699, E00696, D13316, E00697, AX001330, E03813, AR093384, I66482, AR070327, AR027099, I66486, AX023553, AX003194, AX023548, I66498, I66497, I66496, AR070327, AR027099, I66486, AX023553, AX003194, AX023548, AR072540, AX003206, T94623, N59841, N76372, and AA226758. AA508185, AA507469, AI027643, AA622967, AA587020, AI832382, AA675917, AI826640, AW004708, BF680504, AL038837, AL039074, AL037051, AL036725, AL039564, AL039109, AL039108, AL039156, AL039128, AL038531, AL039659, AL039625, AL039648, AL039629, AL039678, AL040992, AL039150, AL045337, AL037726, AL039423, AL042909, AL039410, AL039085, AL045353, AL036973, AL044407, AW374686, AL039386, AL039924, AL039538, AW979228, AL038821, AL044530, AL036418, AL037526, AL036196, AL037639, AW975143, AL039566, AW973200, AL039509, AL038025, AL043445, AL037615, AL043441, AI721017, AW969885, AW276663, AL045341, AL134524, AL036767, AV743601, AL045794, AV746102, AV758878, T24119, AW064110, AL043422, AV718844, AV720464, T24112, AV738934, AV701012, AV701118, AW979144, AW969911, AL036117, AV737584, AW013814, AL043423, AV735727, AL036924, AL037082, BF294063, AV717989, AV717980, |

AV701782, AV718016, AV717963, AV717983, AV717962, AV718018, AV717984,
AV718002, AV717988, AL038851, AV731085, AW970101, H00069, AV717966, AV718023,
AV717959, AW969778, AL036238, AV743654, AW975312, AW973241, AW969782,
AV700229, AV717960, AL036190, AL036733, AW973393, AW976625, BF508972,
AL036679, AJ293456, AW975971, AW976511, AV718681, AW975229, AV701017,
AW973808, T23947, AV745917, AW970050, AW972154, AW970540, AW973780,
AW969322, AW976515, AW968212, AW968207, AW063533, AV745724, AV742720,
AW970070, AV719000, AW451070, AV745723, AV701043, AW971964, AV701163,
AW972212, Z99396, AW968347, AW452756, AW973781, AV717990, AV717956, AV701261,
AV717972, AW970969, AW975154, AV718858, AW973127, AV745350, AV717965,
AW979090, AW972736, AV701431, AW969664, AW970076, AW969653, AW975261,
AW969803, AV718006, AV701248, AI535783, AW970079, AW968204, AW970025,
AW969794, AW971954, AV742667, AV745080, AV745392, AW974805, AV717970,
AW979098, AL037027, AW968148, AW979294, AW973097, BE439760, AW979064,
AV740535, AW970053, AV743008, AW970105, AW973772, AW968200, AW972156,
AV722801, AW979238, AW969756, AW971975, AW975876, AW970108, AW976510,
AW969383, AW971965, AV717955, AL036191, AW979054, AW969768, AW973219,
AW975981, AW975173, AW969624, AW970107, AW969648, AV717941, AW968196,
AW973164, AW975938, AW969848, AW969626, AV717978, AW975162, AL037601,
AW969936, AW979002, AW969961, AW975966, AW968340, AW968190, AW974993,
AV741012, AW969934, AW970093, AV742001, AW969916, AV745488, AW970014,
AW969621, AV718010, AW968181, AW975046, AW970020, AW973380, AW969634,
AW969926, AW971305, AW968147, AW969631, AW975161, AW970084, AW971984,
AW976506, AC020663, AR096545, AR073846, AX006816, AX003207, AR062871,
AX020190, AR017907, A95051, AR095492, AR080470, AR077142, AX001322, I06859,
A18050, A02712, A23334, A75888, I70384, AR062872, A60111, A23633, AR007512,
AR062873, AX011024, AX026824, AX026823, A18053, AX009712, A20702, AX012337,
A43189, A43188, A20700, AX046357, AR043601, A84772, A92133, A84776, A84773,
A84775, A84774, AR067731, AR067732, AR083151, A58522, A91750, AX035462,
AR085082, AR085089, AR085091, AR085079, AR085083, A35536, A35537, A11245,
A02135, A04663, A02136, A04664, E13740, AX035980, I60241, I60242, I13349, A02710,
E12615, AX018504, AR035193, A07700, AX027811, AX027809, A13392, A13393,
AX027813, AX030369, AX030368, AX023553, AR027100, AX023548, I28266, AX027812,
AX027810, AX027816, AX027817, AX027818, AX027814, I21869, AR093385, AR074365,
A70040, I66495, I66494, I66498, I66497, I66496, I66486, I66487, AR088705, I08051,
AX009487, X68127, AR035975, AR035977, AR071572, AR022240, AC069451, AX026821,
AR031374, A49700, AR031375, AX001325, AX001326, AX001323, AX001324, A58521,

					I18371, AR025207, AX006820, AX035632, AX035630, AX035631, AX035629, AX006819, AB037923, AX006818, A38214, AX033488, AX033489, AX033490, AX033487, I56772, I95540, AR018924, AX033474, AX033486, AX033487, A63067, A51047, A63064, AR018923, A48774, A63072, A48775, AR068507, AR015960, AX006823, AR000007, AR015961, AR068506, AR079804, AR036905, AR072501, AR072503, AR072502, AX023549, A25909, AX023550, AJ244003, AJ244004, AJ244005, AX001082, AX046223, AR020969, A67220, AR035974, AR035976, AF261964, AR035978, X73004, A85477, A85396, A98767, I19516, A93963, A93964, I63120, AX008555, A95052, AR043602, AR043603, A95117, AX023555, AX023554, AX023556, AX006817, A23998, AX023552, AR095490, AR095491, AX023547, AX023551, AX023546, AX021518, AX006821, AR037157, A86792, AX042372, Z96142, AR054109, AX003194, A97211, AX006825, AX006824, AR069650, A15078, A64081, A58524, A58523, A24783, A24782, A81878, AX006824, AF261966, AF261962, AF261963, AF261967, I03665, V00745, AF261959, AF261960, AF261960, I19517, AR096518, A27396, A76773, AX000085, AR036903, D28584, I03664, E14304, I19517, AX042375, AX042373, A49045, E16678, E16636, AR093392, A22413, AX042377, AR091518, AX042375, A93016, AF156294, I01992, and I25027. A82653, AR072500, AF261968,
HKBAL08	134	958219	1 - 852	15 - 866	AI598222, AA722521, AA961088, AW813731, BF953169, T47819, AA297068, Z40359, AI698654, T47848, AW384795, AP001711, AP000248, AL136295, AC004867, AP001748, AL133245, AC004166, AL354720, and AL158830.
HKADF15	135	960658	1 - 2143	15 - 2157	AL537210, AL533136, BF345427, AW149077, AI189363, BF725380, AI052124, AI972848, AI336302, AI816720, AW192810, AW055174, AI148561, AW026468, AW072848, AI889989, BG163656, AI678779, BF966582, BF349689, AW152007, BF344992, BF337402, AV733778, AL533137, BF969402, AW964811, AV702560, AV752950, AA411195, AA632007, AI754763, AV725935, AA187659, AA488502, BG012437, AA411095, AA488517, AW380192, W81692, W68748, AV733973, AA128063, AA579881, AA037211, AA488385, AL535898, AW581075, W29006, AI127593, BF958186, W81265, BG000741, AW581079, BE138892, BE856061, W81693, AA479844, AA044753, AA707190, AI005306, AA186718, BF382521, AI128816, AA838684, AA112161, AA937185, AI128549, BE765227, AA488370, AI038838, AW510870, BF590113, AW241743, AI191854, AA634260, AI375760, BE697900, AA946838, AI122640, AI799431, AW150253, AI807683, W67176, BG000745, N39772, AI610621, AI126866, AW088704, W68726, W94696, AI189851, AI423369, AI167706, AI750804, H09725, AW014642, AA682978, AA186659, AI701245, AV725200, W17262, W47107, AI620250, AW085733, AI365999, BF243094, AV745950, AA102171, AW382122, W69696, W84609, AI066654, AA186789, AA188311, AI038848, AI138433, W80472, H10483, T95046, AW005675, R52327, W45606, AI750805, BE714469, AA186646, BG009129, AA705736, AI375026, BG013718, AI742719, AI096392, AA970331, AI189681, H42958, AI831119, R64072, BF726628, AA181038, AA083962, W67175, BE168843, T15745, BF934277,

AA927755, AA074445, T35729, BF989644, T94312, R69632, AV711339, AA373910, H42889, AI086978, R22231, AW021831, AI200127, AA860791, R70843, AW801877, W60128, AI282288, AI160698, R63703, AI095362, N78832, C18770, F07134, H25800, R52328, AA779133, R69727, AI141372, AA186934, N92803, AI493541, BE074157, AA441966, AI245562, T41231, T52692, T15941, R76911, AA670487, H28629, T52691, BF594227, H26540, AA709438, W80580, AV745873, H75744, R77081, AA548872, BF085005, AA866101, AA737142, AI879858, AI751382, AA055347, BF085040, AA729410, AA377816, AI349098, Z40236, AA128020, BF085041, W60050, AV746593, AA665901, AW074636, R63747, R22703, H23452, H15931, AA479722, C00016, W47231, T95142, T94663, BG001917, T57580, AA853413, R23580, AA853414, AA908304, BF858261, BE767687, AA367100, AA853917, AA349615, AA476373, AA852169, T40380, BF928757, T49076, H16043, BF992287, R45993, T06049, AA340884, BF992295, AA366834, F08513, AA188018, T55354, T34849, R80772, BF992293, W84590, Y07921, E12965, D87258, AR095627, AF097709, AF070555, AX015404, AF097707, AF179370, AF179369, AF172994, AF157623, I74320, AF097706, AF097708, I74321, I74306, A62298, A62300, AR050070, AX009343, AX009341, AX009337, AX009335, AX009345, AX009342, AX009344, AX009340, AX009339, AX009336, AX009338, AX009334, U94592, AX047063, AX047062, AX047064, A82595, A82593, Z30183, AX040581, U45328, AX046743, AR025466, T49075, T50999, T51087, T58082, T61154, T63896, R07603, R07604, T80106, R22289, R26453, R28462, R32652, R43408, R43408, R63966, R70789, R80771, R86274, R86275, H75878, N21446, N26329, W25048, W33109, W33110, AA044675, AA055346, AA181932, AA558933, AA613803, AA639432, AA962499, C17153, AA476323, T24693, D29346, F01873, F05610, F04728, T82292, AI245130, AI269807, AI335427, AI367112, AI201996, and AI453252.

HOGES55	136	961337	1 - 1963	15 - 1977	AW182452, BE250716, AI890424, AI640157, AW474326, AW130973, AI056660, AW150989, AI288965, AA242985, AW793562, BE250569, BE465736, AI744015, AI651429, AI636121, R06846, AA251971, AV650220, M91487, AI985781, R06845, AW363115, R02003, BG037194, and C01117.
HKZAJ14	137	961458	1 - 1254	15 - 1268	AW976735, AA883247, AW317020, AI091039, BE349081, BE221788, AI080490, AW009024, AI421443, AI141417, AW838561, AI333982, AW020988, AI332667, AI003921, AA740607, AI373690, AA424587, AA400517, AA972391, AI379240, AA633581, AI370902, AA620797, AA757270, AA909500, AA424632, AI680616, N32107, BE858145, N56779, AI870568, R71439, AI270464, AI085139, R43738, Z41046, AA225666, AI767739, AA502917, W37208, H00748, BF511394, BF887497, AI270546, AW271656, AI791895, AW805578, AA225611, AW370265, AL041562, AI792126, AI299358, R89180, BE671252, AA809663, AW183464, AW838715, AW838708, AL036881, AW029142, BF764614, AA805240, AI872415, AI351544, BE143557, AW299713, AW367344, BF875698, N74449, Z19142, H54493, T50149, D29384, H73186, H90881, AL133051, AF227906, AL021329, AL157406, AL157381, Z83843,

			1 - 2040	15 - 2054	AC008551, AL109612, AP001696, AL136455, AC016689, AL109799, AC005204, AL139810, AP000340, AP001761, AC003049, AL135790, AL031054, AC010168, AC004106, AC004853, AL118496, AC068999, AC005014, AP000217, AC018698, AP000529, AP001731, AP001606, AP001605, AL118507, AL445188, AP002027, AC040163, AC010491, AF188025, AC010419, AC002066, AC007558, AL121823, AL022397, AC003968, AL049765, AC006978, AJ133269, AC007316, Z82194, AP000081, AL133229, AC004025, AF064860, AL161771, AC006287, AP000528, AC007683, U66059, AL034375, AC010627, AC010142, AL158144, AL109931, AC007132, AC005245, AL035604, AL035542, AC004453, AL139115, AL163280, AP001683, AC007920, AL135936, AC016898, AC004981, AC022509, AC006324, AL034369, AL360078, AL121582, AC012087, AL445669, AC011504, AL049646, AC005837, AC005227, AC000059, AC009196, AC009313, AC006265, AL354793, AL137251, AC007963, AL354866, AC007051, AC022203, AL162718, AL121590, AL049565, AC008739, AL139093, AL109919, AL132994, AC006026, AC007157, AB041731, AB020863, AC008534, AC004175, AC008468, AC002122, AL137013, AC008876, AL163218, and AB042031.
HLHAE14	138	962362	1 - 2040	15 - 2054	H49208, AI248942, AA358780, H60492, H60446, AI243090, H49394, AP001724, AL031591, AC006924, and AC005234.
HBCJN16	139	965190	1 - 868	15 - 882	AI978837, AIG27369, AI564009, AI628545, AI690964, AI538855, AI860651, BF222777, AI683754, AI970793, BF436904, AI812041, AI829891, BF589851, BF032982, AA642553, AI560810, AA470903, AI359026, AI921985, AW664949, AW591110, AI083732, AI818681, AI827128, AI961526, AA125808, AI160064, BE898095, AI564610, AI624988, AI924700, AI278468, AW874402, AA483290, AA858390, N52182, AI225074, AA766421, AI376593, BE396135, AA830375, AW473661, AI698343, AI986231, AW950982, R89609, H78819, AI540430, R88929, BF691490, AA653492, BE382384, AI424782, AI241315, AI699227, R59708, AI613142, AW473446, AI244930, AW051166, AW193591, AW797434, AA909760, AW242968, BF221706, AI336173, AI923108, BF364662, AA128281, AV733824, AV757816, AC004602, X97966, X14479, X14047, and X72874.
HCGAF29	140	965372	1 - 2309	15 - 2323	AL528207, AU124711, BE745523, BE740018, AU124009, BE730967, AU132736, BE899077, BG261113, AW968672, AW971792, AI492156, AW235604, AI880771, AI697107, AI638177, BF183859, AU148517, AI968089, AI624692, AI378254, BE349453, BF062207, BE505015, AU150234, AU154209, AI922229, AA775806, AW044370, AI086087, AI151386, BG105708, AA423984, AA278565, AI073529, AI203148, AW117988, AW470396, BF827404, BF880196, AL135528, AV681665, BF445663, AA423985, AA481532, AW779281, AU127788, AI567161, AI266199, T93231, AI696723, AI655248, AA916500, AA811605, AI749400, BE927591, AA481598, AA523223, AA431069, AA522577, AI696237, H42013, H42014, T92694, AA743286, BE302733, AA258068, BF939161, AA417908, AA723166, AA418159, AL119399, AL119511, AL042382, AL042544, AL119457, AL043152, AL079794, AL134524, AL043168, AI675778, AI370623, BG166654, AI270183, AI613144, AI521799, N25033, AI368579,

AL515033, AW151766, AV749238, BG034746, AA639533, AI619820, AA521431, AI431323,
BG113373, BF525578, AW059568, AI307557, AI524179, BF835240, AI439762, AW193020,
BG164558, AI364167, AI247082, AL042866, AL047763, AI589428, AI620864, AI581139,
AI950729, AL514871, AI879377, AW150578, AW162194, AW673679, AW970048,
BF531023, AI241901, BF337043, AI537677, AI242246, AL039011, AL513961, BF974886,
AI539260, AL121306, AL045166, AA761608, AI638644, AW089844, AI621341, AI224373,
AI401697, AI499963, AL515191, AW071417, AL515021, AI345415, AI923989, AW051088,
AA857847, AI225000, BF753014, BF771374, BF868489, AI698391, BF970509, BE965599,
AW075382, AL513755, AI927233, BF965891, BE879047, BF342298, AI345688, AI469157,
AI699823, BF812960, AL514691, AI683173, AL036403, AA969375, AI765469, AW080746,
BF751457, AI590043, AI633305, AL513977, AL514879, AI539690, BF035213, BG113299,
BG032704, BE873695, AW192300, AI499890, AL514205, AV647670, R40363, AW834282,
AL514156, AI434731, AW022084, AI524626, AI873998, AV681771, AI536685, BF814449,
BG260287, BE892572, AL120706, BE279800, AI884318, AI761468, AI270099, BE967219,
AI263312, BF343205, AL513689, BF871314, AI491710, AI863002, AL046466, AW301861,
AI953765, AA853033, AI433616, AI538850, AA731711, AI476076, BE393784, BF997967,
AW029611, AA481053, AW021717, BE891834, AI445611, AW827193, AI860027, AL513901,
AV750565, AI273189, AL514247, C21335, BG260930, BF342445, BE963954, AK022858,
AF083217, AL121993, U77594, AF246126, A77033, AL389935, AF111849, Y11587,
AF082526, Z97214, L10353, AL137254, AB048881, AL161954, AL353940, X72889,
AL133558, AF126372, AL117587, X63410, X97332, AF151109, X76228, AF177401,
AL137550, S71381, AL122110, AK026633, AL137292, AK024588, X66862, AL050277,
AB048975, AF126247, AR081734, AJ132433, AL133061, AL122045, AF067728, AX042059,
AL133088, AK026038, I33392, AL117460, AF026124, M27260, U49908, AF116631,
AF113677, AL117416, AF031147, AL137574, AF180525, AF057300, AF057299, X61970,
AR068753, AK026843, AF112208, AF061795, AF151685, AF026008, I89947, AF047716,
AL137627, AL080234, AR053103, L04859, AK026649, AK026592, AB047627, AK026462,
S36676, Z13966, AL357195, X98834, AR082685, AF242376, U72620, AF130102, A18777,
U70981, AJ005870, AK000257, AK025658, AF185576, A08910, AR038854, AL355701,
AC002464, A08909, AR013797, AL137530, AL137271, AK025798, AL122100, AF090886,
AL137533, AR034821, AL137479, AL137267, AF245226, AF31409l, AL162002, AL137275,
AF113019, A08908, AL078630, X79812, AR012379, AL080146, U02475, X83544, S77771,
A91160, AL117457, AK025113, X59813, AF030513, X66366, A91162, AK000653, AF132730,
AF026816, AK026626, AK027161, AK025209, AK025239, AL137529, AF254119, AL133015,
AJ005690, AK024978, AL137657, AF116688, AL133084, AL049339, AF119899, AF087943,
AF119857, AF130099, AL359620, U35846, AL133049, AK027260, AF035161, AL162001,
AK027095, D44497, AF218000, AF271786, AF124728, AR083283, AL133619, I48978,

				15 - 716	AL110218, AL389982, AP001666, AK000652, AK027081, AK026528, U89906, AL117626, E12580, AK026541, AK026959, AK025092, A08912, E01314, U62807, AK025708, AK024747, AL161964, A08911, AB052191, AL137459, AX020124, U79523, A57389, AF130056, AK025391, AF054988, AF115392, AK027103, AF131821, AF017790, AK025632, AB044390, AF044323, AF124435, E08516, AF167995, AL133560, U75932, AK024533, U92068, AK000074, AK026571, AF126488, I09499, U83172, U75304, AK027209, AF158248, U73682, I32738, S76508, AF104032, AF130104, E03348, AK026597, Y11254, E03349, A76335, and AR029490.
HAHEF81	141	967634	1 - 702		AV683103, BE305206, AW001250, BE305236, AA643098, BF058371, AW054839, AW973518, AI833102, AW083028, AW469562, AI089867, AW134724, BE563230, AI770105, BE798906, AI859283, BE794306, BE727113, AI802405, AA576674, N94517, AI310487, AI367446, AI220318, AW079526, BF431056, AI309785, BE791858, BE736541, BF685650, AA576675, AV700158, AI810441, AA868821, H91632, AV722364, BE305124, AA884876, AA745899, AW406468, BF591335, AI887153, BG025439, AI091509, BE386733, AW083220, BE293628, AA587461, BF877339, AI245325, AI684772, BE250144, AA114265, AA548065, AW296891, AI766800, AA085398, AW071593, AI919368, AA113184, AA886171, BF888965, AA082885, AI611050, AI805079, BF889006, AA305339, AA887298, AV696144, AI352497, AW151136, AL119863, AI862144, BG180034, BG030364, BG031539, AL041772, BF904244, AV655280, AW772685, AW020693, BF038131, BG256592, BF816037, AW268220, AI334450, AW673679, BE904051, AV704696, BF814420, BF672397, AI269862, AI610756, AI689379, BF970449, BE785868, AL036274, BF814420, BF672397, AI284517, AV721521, BE672647, BF968205, AI952217, BF822127, BE256437, AW827276, AI284517, AV715560, AV760102, BG249582, AI251221, AI336633, AW148320, BG031664, AI498579, AV715560, BF812933, BG031815, BF341801, BE048071, BF854113, AW827289, BG110517, BG164371, BF812933, BG036846, BF727072, BE047852, BF338723, BE246734, AL119791, AI349967, AL036631, BG036846, AI569583, AL041150, AV757639, BE544111, BE876033, AA427700, BE047737, AI537244, AI569583, BE874133, AI364788, AI335209, BE047952, AV645906, BF038134, BE877769, BF792469, BF792469, AI270707, AW023590, AI174394, BE880182, AI829327, BF812431, AI609592, AL042628, AI270707, BG024332, BF826445, BG260037, BG168696, BF032768, BF726198, BF339322, AI889953, BG024332, AI439478, AW103371, AI468872, AI955866, BG034609, AW082594, BF904265, AI349226, AI309401, BE886728, BE963035, AW268067, AI433976, AI500146, BF795712, BG257535, AI309401, BF812938, AI524671, AW302992, BF814525, BF970768, BG112239, BF856052, AI620284, BF812938, AL040241, BG026428, AW946806, BG252929, AI570384, AL045500, AI433157, AA572758, AL040241, BF527014, BF816455, BF812960, AI539771, BF344652, AI636719, BE965724, BF814335, AL039086, AW071349, AW268122, BG029667, AI800453, AI340582, AI800433, AL039086, AA225339, AL120695, AI282326, AI500659, AI340603, BG110684, AI537677, AI445165, AA225339, AI349004, BE904178, BF885675, BE905749, AI554821, AW858243, BE887488, AW169653, AI349004, BE904178, BF885675,

HBJAB02	142	967807	1 - 1682	15 - 1696	AW268072, AI815232, BE964614, AI500523, BF812438, AW074993, AI349614, BG250190, BE870874, BE885490, BF970658, BE910373, AI491776, AW268253, AI284131, BE789595, AW999049, AI312152, AI499512, BG112339, AL121572, AL022341, AF177336, AF119871, U42766, AL133565, A08916, S78214, AL117583, AF130077, AK024538, AF116610, AF218031, U00763, AB052191, AK026353, AR070212, AF113690, AF130066, I89947, I48978, AL080060, AL133016, AF097996, AL110196, AK024524, AL137271, A08913, AF061943, AR011880, A08910, A08909, AF079765, I48979, AF218014, I89931, X63574, AF113694, AL117460, AL133080, AL049430, AR087170, S68736, AF119899, AF118064, AL133640, AL050277, AK026630, AL110221, AL162062, AK025772, AK026480, AL359601, AF119875, AK026045, E07108, AL133560, AF116691, AK026086, Z82022, AB048954, AK027164, AF116602, AL122093, AL133606, AF119894, AX019230, AK026855, AK026927, AL133093, A65341, AF118070, AF113699, AF130105, AL133557, AK000323, AL157431, AF130110, U91329, E03348, AF017437, AR059958, AF116682, AF175983, AL122110, AF090943, AJ000937, AK025958, AL137459, AJ242859, AK025092, AF130059, AK025254, AF146568, AF116644, AL117435, AX019229, AF130104, I03321, AL162083, AF166267, AL049464, AL162006, AK025798, AB052200, L31396, L31397, U72620, AK000618, A93016, AK026526, Y16645, AL137550, AK025967, AK000445, AK027116, AK025414, AK026784, AF130092, AK025491, AL080127, AL133113, AF111112, AL122121, AK026865, AF104032, E07361, AF113019, AL049452, AK024588, AF113013, AJ238278, AF090900, AF130075, AF090896, AF111851, AL359583, AK000083, AF113689, A58524, AL359941, A58523, AF116688, AF271350, AF314091, AX026824, AX026823, A58524, AK027213, AK025632, AF116649, X82434, AF090934, AF113689, AL137557, AF056191, Y11587, AK026597, AF119878, AL080159, E02349, AF130100, AL359596, AK026741, AK027213, AK025632, AF116649, AR079032, AL050116, AK026532, AL080137, AK000718, AK026551, A12297, U35846, AL389982, AK026408, AF091084, AF162270, AF003737, AK027113, AK027096, AL389978, AL050024, AB041801, AK026583, AB050510, AK000137, AL137648, AL137538, AL117457, AK026452, AF116639, AF113676, AB049758, AL050146, AL050108, AF111847, AL117394, X93495, AL133072, A03736, AB019565, AB034701, Y111254, AL122050, AK026959, L30117, AK026600, AF219137, AF125949, AF078844, AK026647, AF118094, AK000647, AB047904, AF207829, AF130082, AL442072, AL117440, AL050393, AL137463, X96540, AL122049, AK026504, AK026629, AX046603, AK025084, AK026947, AK027204, AL117585, AL122098, AK000753, AF130099, AF116631, AF138861, AF260566, AL359615, AF158248, AL353940, AL080124, AK027200, I26207, AJ012755, AX040958, AL353625, AF067728, AX042059, AK000432, and AK025906.
					AL529646, AL529645, BE898304, BG112747, BG036058, BF791411, BE392384, BE621757, BE548173, BE895853, BG034671, AA808894, BE901085, BE278873, AW152607, BE795658, AW166898, BG122141, BE782474, BE972826, BE793716, BE140314, AW750993, AA826362,

Clone	SEQ	Range		Range	Accessions
					AW517942, BE714673, T59668, BE731030, BF939314, BE732766, BE745104, AI290469, BF477770, AI805651, AI961329, AA581089, BE902575, AW197375, AA974066, AI950259, BF802171, W27729, AV693783, AA877530, AA715365, AI968889, AA885542, AA160748, AA386371, AA335719, BF873961, W73105, BF223151, BE740826, AL120854, AA318192, AA501478, BF125073, AA581100, BE548914, AA658457, AI948815, AI621069, T59802, AA468534, AA503715, BF850755, AW956069, AW841506, AI144504, AA352215, BE897964, BF883404, BF373009, BE090290, BE1G8997, AW855521, AW820855, BG230749, BF376598, BE622839, BF923143, AK000069, AC015651, and AF147378.
HOUCR01	143	1 - 2007	968171	15 - 2021	BF346477, BF970344, AI884801, AA233924, AI125760, H97661, H18098, H19086, AI193252, AI085879, H11343, AL134720, N23132, BF926085, AI671245, BG056879, D81062, AA412275, AA552173, AA503379, R49191, H18987, H19618, R34661, AW590283, F04762, BG056899, BF947363, BF509640, D60732, AI870535, H19253, R07822, H11367, AB046639, and AL109677.
HDTIG18	144	1 - 1566	968454	15 - 1580	AL526279, AL529830, AL529831, BG165233, AL524371, BF685557, AI133513, BE887721, AI057617, BG252265, BE562767, AI982853, AI831623, BE515156, AA648914, AA873629, BE256597, BE222487, AW958929, BF725899, AA280089, AA878448, AW248558, AA744548, BE504278, BE795016, AI304316, BE302017, BE252066, BE295640, AA781577, AI185163, AI955795, AL526312, AI422964, AI571353, AI185152, AA460511, AI313197, BE018406, N32767, AI371028, AI696978, AW439404, AI150883, BE909535, AA447517, AA759128, AA806385, AI335852, AL536983, BF839452, AA459868, AA416893, AI859544, BF512726, AI023406, AA948038, N46869, AI369825, AI128795, W68616, AA025669, AI970652, BF055247, AA934724, AA448500, AI192983, AI167362, W86098, AA864949, BF684491, W69447, AI056657, AW368494, BE265673, AI301282, AA720593, BE695982, AA470054, W72840, W68762, N53510, AI249484, BE540573, AA974936, W69530, AI038444, AA936842, AI348453, AI014303, H98698, AA709334, AA808641, AI312674, AI199491, W92405, BE790027, N81039, AI057225, T03564, AI568703, AA626030, AA973884, AA602321, W00672, H12272, BE259065, AW591539, AA020993, AI368079, BE304909, AW514017, AA670069, AI933159, AV738245, AW058033, AA255941, W35340, T32967, AA568156, AA908647, AA054004, W37082, W46670, W46477, W69899, BF445619, N41767, AI630758, W92406, W86132, AA084553, AA256083, AW172949, AA903756, W72841, AI420992, AA280018, T19225, W69900, AA025668, BE858644, AI160240, BG054803, BE769759, N24265, AV754922, N69042, AW519261, AI475440, AV755645, AW952445, BF432703, AI073732, H80576, AA384632, AA954180, AA977386, AA731196, BE782364, AI546958, AA864850, BF088237, BE769753, AA018468, BE261321, AW661944, Z40864, W07667, AI084547, W37839, T89010, H18524, AI751885, AV744297, Z45130, AA022626, T31441, AW629168, AW362019, R41618, W23741, AA629248, AA059201, H80524, AW149176, F08633, AW368488, BE293875, BE910358, N80003.

HBLGD30	145	968949	1 - 3937	15 - 3951	AW797801, AW797860, H84422, N47190, AA912856, BF929993, AI872803, AA477003, AA016236, T35431, BF792937, AA022773, BF927154, H12273, F01896, H84421, BE910534, D25627, AI870539, C20582, AF085362, AB017644, AF003346, AC002524, X92664, X92665, AA059305, and AI475258.
					AU134073, AU133830, AV648674, AV648343, AV649343, BE439435, BE884067, AV684104, BF130482, AW950668, BG179663, AV720745, AV719320, AU134196, AV658379, AV682989, AI683839, AV734860, AV718561, BF921039, AA219354, AI769578, BE898808, BE971367, BF126657, AI269889, BF574193, BF726784, AV720490, AA741202, AI687338, AU155184, AI302101, AV718656, AI950030, AI889538, AW419072, AA918982, AW088433, AI761095, AI309991, AA281666, AI923375, BE513666, AW006277, AI924724, AA166902, AA402240, AW273276, AU155289, N53433, AU149941, AW015771, AI963654, AI922198, AI458138, AA492037, AA165601, AI128266, AA946849, AI277947, AI343881, AA402701, AW474149, AV652478, AI289226, BE672470, AV682550, AI467936, H04844, AV648804, AA166973, AA171809, AI288268, AW303836, AI823730, BF924128, AA169335, AA769673, AV655147, BE971266, AA165482, AV661997, AI921934, AI358150, AI985661, AV651692, AI277803, AA283660, AA172240, AI812089, AI301236, AI690616, AA171694, AV658439, AI538280, AV658013, AV650229, AV656880, AW193233, AV656493, AV649185, N69299, AV720068, AV650236, AV658487, AV659340, AI064929, AV686668, AV652883, AW839157, AV695293, BE081066, AA661833, AV697695, AA172005, AV657340, AV654764, AV654748, W22608, BE006635, AW950671, H86642, BE065513, AV655339, AI886539, AA953507, AI933892, AV659795, H04754, AV728343, AI194079, AI524590, T68167, AA832118, T69598, AV661653, AV709878, AA333043, AI857292, T71679, T40113, T40914, BE934168, T51148, AW839165, AW118431, BE567199, AW089848, T28653, H86554, AA333248, AW167184, T68242, AW890922, H42697, AA344502, T67818, T67969, T41019, AV652268, AA283661, AW445174, AI926046, BE936564, T69670, R26189, AA344900, AA166820, R46148, AA825794, AA344899, AA527160, BG235955, AA171782, AV652035, AI684991, AI613148, BF571293, AW576487, AV696380, AI648426, BG054975, AI421700, AW050523, AW026809, AW519214, R26437, AA603131, AI301343, AW440530, AA863095, AI479558, AI310961, AW244013, AA172094, AA191647, BE172361, AI933890, BE936569, AI949429, N40513, N50749, AV659135, BF056055, AV661586, AW576821, BE392045, BE065578, BF087108, BF841532, BE065575, BF839027, AW372005, BF837371, BF844137, BF841534, BF155460, BF837360, AW606252, BF087056, BE065616, BF835820, AW383782, AW372003, AW383748, AW372012, AW372012, AW383775, AW382951, AI909730, M13699, M13536, L33869, AF202115, AF134814, M18058, U49430, AK026357, D00025, X69706, Y12178, D45045, D45043, D45038, D45036, D45039, D45033, J05506, D45035, D45037, X04136, D45034, D45040, D45044, X04137, D45041, S77464, D45042, X04138, AF134057, Z24023, AF260927, AF075665, AC004226, AC009242, AJ131017, AF141647, and

HFIHK04	146	969387	1 - 904	15 - 918	AC011327. AI949559, AI810510, AA203625, AW959632, AA702005, AI991043, AW340445, BG251324, AA838409, AI961293, AI160070, AI160071, AA747429, AII43612, AA730360, AA773195, AA682367, AI298831, AA961230, AI268727, BF793895, R83902, BG236172, BG109845, AA953598, AA704547, AII46455, W38306, N79799, BE933639, AI864592, AA299329, AI140380, AI290069, AI186783, AW440342, BE164467, BE164468, AW139541, T91068, AA514600, AA195913, AA508637, T59891, AW816281, BF874763, D20437, AI288391, AA634125, AW965354, AA195432, BE255866, BE547821, BE741757, BF528086, BG258828, BE903000, AI111193, AI904111, AV728544, BF312864, AA318279, BE251694, C03377, AA310941, AW771668, AW964397, R59429, R98152, BE296575, AA370568, BE746935, BE793656, BE971409, AA411943, BF574705, BF316683, AA780433, T91217, AL523605, AA524887, BE185327, BE185262, BG169979, AA728871, AA328245, AF282903, AL136968, U92032, AL354868, AC012072, AC002074, AC007511, AL135924, AL133332, AL078593, AC007796, AL049874, AC016831, AC013358, AC017082, AF020803, AP001614, AC079045, AL163280, AC007564, AP001251, AP001743, AC004963, AL135749, AF217490, AL450169, AC010849, AC025809, AC009362, AC002352, AL031283, AP001679, AC005998, AC018641, AP001724, AP001669, AL023694, AL356414, AF015720, AC016816, AP001683, AJ229041, AC026409, AC005005, AL031387, AL031429, AL136504, Z98747, AF017104, AC008033, AC008560, AC004068, AC004889, AL035427, AL353748, AL035089, AF248484, AL161638, AL133387, AC018642, AL163207, AC026884, AC008163, AC006967, AC008774, AP000472, AL023805, AC034235, AL163227, AP001038, Z98946, AC005601, AL133467, AL133382, AL050336, AL034351, AC016689, AC007126, AP001819, AC017002, AC004896, AC004048, AP001732, AC037193, AP001711, AC003109, AC006062, AC010498, AC005515, AC002069, AC007156, AC004184, AL022401, AC010305, AC016602, Z86062, AL161731, AL133517, AL121654, AC008042, AC010582, AL122021, AP001715, AB014088, AC004998, AL132633, AC066583, AC005229, AL136529, AC004190, AC025577, AC005738, AL118524, AC006031, AF119841, AL078623, AC004815, AB000882, AP000506, U85196, AP000279, AL136359, AP000516, AP000106, AP000038, AC004968, AF179633, AE000661, AC010723, AL161717, AC008268, Z84480, AL157765, AC004053, AP000108, AC009044, AC005880, AL121898, AF241725, AC008543, AL139189, AC008486, AL356057, AL049844, AL132657, AL133247, AL050308, AC005598, AL117187, AC006337, AC005099, AL031316, AC025030, and AL118505.
HODIL24	147	969841	1 - 834	15 - 848	AL041101, BG177845, BF216023, AA281685, N41356, BF350128, BF211006, BF668757, BF932699, and AL355305.
HE8NQ16	148	970046	1 - 2887	15 - 2901	BF966722, AV706600, BF792757, BF976723, BE882014, AW149468, BF105008, AL138321, AA425241, AV724632, BF033996, AW578056, BF966526, AV746348, BF346432, AW752968, BF338848, AW263259, AI004242, AA037179, AA872675, N29085, BF955280,

					AA699935, AA913815, AA425190, AA887078, W92464, R49087, AV745531, R15894, N42047, BF351126, AW370682, AA400368, N49443, H23382, AV711898, AA400369, AA644429, W21227, BF754252, H96938, AW401928, R86075, W92292, BF846791, N64209, BF891292, BE092775, AA193535, Z25009, AI216147, BF515367, N78483, AV735098, AA453929, AA814891, N93457, AA355548, AA295442, AA978114, AA603219, BE855678, AI825796, AL043824, AW182655, T78936, T08772, AL157620, AA724481, AW752237, AA193438, AI400285, AV701015, AI358866, AA910165, AW351740, BF684919, BE855736, AI432369, AW631129, BE259815, BF087116, AU124620, AU121144, AI978558, T78991, AA555092, N56946, AW665735, AI826826, AA971640, AV704599, AI056732, AL119173, AI038989, BE879922, W92507, AI246684, AI080258, N93740, N20183, AW902953, AA425759, AA486738, AI214476, H67025, AA907233, BF999810, BF885209, AC009155, AK022130, AK022752, AK001688, AB046832, AK024314, and AL137000.
HOFMS34	149	973010	1 - 1006	15 - 1020	BE736746, BE379381, BE378584, BE378500, BE378075, BE515303, BE780958, BE614826, BE393601, BE394088, BE735483, BE392462, BE394406, BE378901, BE394632, BE378758, BE615872, BE388690, BE378357, BE387695, BE563033, BE392780, BE392047, BE395788, BE394179, BE392832, BE389364, BE389345, BE395181, BE392472, BE515219, BE615406, AA464826, AA453149, BE735871, BE392729, BE387682, BE210381, AA442802, AJ403128, AC007078, and AC004980.
HOFOB11	150	973505	1 - 781	15 - 795	AL533548, BE789099, BG116125, BE887081, BG107890, BF700463, BE880927, BG030517, BF030581, AW957637, BE781717, AV733955, AV710046, AV718270, BF668753, BF669212, BF701113, BF129991, AV714563, BG254144, BE878731, BF701393, AV651776, AA314273, BE568697, BE545003, BF242902, BF666696, AV757896, BE904360, BF978924, BF665580, BF028073, AW351912, BF697317, BF037589, AA305370, BF213439, BF724466, BF241919, BF185721, BF692658, AA306430, BF667996, BE888408, BF964977, BF669293, BF185277, BF700414, BF211541, BF665260, AV707435, AW752399, BF244581, BF541632, BF680798, BF028474, BE960947, BF104162, BF029708, BF667913, BF695497, BF665760, H18045, AV701697, BF381984, BF699689, BF184304, BF185628, BE565642, BF244157, AW630212, AV655721, BE569124, BF131429, AA181455, AA315633, BF132852, BF031301, BF692251, BF668875, BF691021, BE779388, BF031185, BF213025, AA186625, BF214411, BE568476, BE898217, BF664872, BF690925, W79010, BE865509, BE567415, BE567887, BF977109, AA531308, AV714850, AA204997, BF665354, R80694, BF307415, BG02971, BG249184, BF240785, AV682318, BF106436, AV755841, BG025945, BE568064, BG029271, BG249184, BF240785, AV682318, AV681563, BE814385, BF214964, H22737, BE168154, BF575790, BF664562, BF670667, BF215015, AA085686, AA001470, BF750591, W55909, BE168394, W20245, BF030440, BF752526, BE693954, BE865807, AA297247, AV661606, AA298432, AA298665, R64278, BF104127, BE813635, BF131056, AA297858, BF184679, W93867, BF757214, AV757484, AV759869, AA298833, H21844, H00199, R93867, N25143, AA088796,

					AA311342, BF68082, BG013959, BF185554, AV759272, AA298837, AA454212, AA431132, AV712434, AA298834, BE092617, H40729, H50262, BF666320, Z45895, AA459602, BF792635, BF248219, AI879195, AI878894, AV746675, T54811, BF700100, AA297310, BF541763, W39740, BF093955, BE504467, W25405, AA297706, AI879578, BF848994, AA297836, BF696039, W28449, BE699018, BE768788, BE768801, BF383084, T10517, BE929505, BF573510, AA447414, BF085285, BF245173, AA192828, BF670186, N26355, BF093978, BE708343, AW364790, R15512, BE929384, AF051894, AF288991, AF288992, AL121989, AF288740, AF267986, and AF267984.
HTLHN94	151	974667	1 - 1988	15 - 2002	BE393547, BE740719, BG251252, AI970830, AI478592, AV707783, AV728270, AV706183, AV706724, AV702427, AV727932, AV726505, AV701611, AV704974, AV659189, AV725927, AV706746, AV729983, AV709407, AV726067, AV725369, AV704592, AV728777, AV732002, AA744769, AV753374, AV658362, AV705020, AV702637, AV704916, AV723449, AV702798, AV751921, AV730781, AV751555, AV732149, AV730288, AV731744, AV731313, AV752043, AV731759, AV731708, N90871, AV730547, AV731977, AV757088, AV732155, AV710417, AV728872, AV730711, AV701237, AV731694, AV701320, AV707882, AV730165, AV731915, AV662191, AV726674, AV730171, AV752443, AV746276, AV751573, AV756053, AV761002, AV731043, AV760693, AV730816, AV757887, AV732353, AV757553, AV758481, AV707088, AV656240, AV756895, AV731275, AV733303, AV706910, AV702409, AV702869, AV710534, AV647654, AV726738, AV710938, AV706104, AV711496, AV755874, AV702498, AV711095, AV732653, AV752447, AV732746, AV710421, AV702787, AV758133, AV707686, AV714368, AV707171, AV758003, AV726480, AV702671, AV732089, AV705234, AV752684, AV755714, AV707589, AV703591, AV745906, AV702354, AV706035, AV711567, AV724987, AV727103, AV703417, AV652808, AV755473, AV726392, AV729129, AV702537, AV656004, AV710495, AV723452, AV707948, AV728715, AV730456, AV763669, AV711185, AV646736, AV757673, AV732255, AV702026, AV727189, AV757281, AV705263, AV702954, AV706683, AV746382, AV729357, AV727355, AV652156, AV701783, AV711240, AV726830, AV710146, AV701728, AV763440, AV709935, AV710562, AV725387, AV707690, AW575986, AV709356, AV704924, AV705504, AV725281, AV761270, AV711274, AV710825, AV703012, AV703232, AV709897, AV763171, AV745415, AV704611, AV697638, AV757864, AA453130, AV710375, AV757171, AV710935, AV702958, AV645778, AV650367, AV687176, AV707685, AV704981, AV706662, AV707117, AV706234, AV755335, AI475480, AV701538, AV706357, AV705662, AV728289, AV708809, AV705343, AV729220, AV728884, AV707798, AV757686, AV726520, AI028697, AV729568, AV703367, AV707556, AV745756, AV756386, AV710906, AV706453, AV721645, AV702984, AV706989, AV725386, AV726624, AV706814, AV758022, AV706047,

AV706851, AV731884, AV701875, AV701499, AV752993, AV727576, AV706891,
AV730859, AV706290, AI149937, AV705047, AV732200, AV701496, AV730866, AV728455,
AV725152, AV757671, AV733811, AV652547, AV701560, AV726559, AV704116,
AV706220, AV704279, AV725043, AV730018, AV728249, AV705416, AV726754,
AV756897, AV733842, AV721318, AV703862, AV704757, AV709025, AV699148,
AV758766, AV704064, AV708423, BE907622, AV706527, AV730449, AV727347,
AB012955, AX020190, AR017907, AX035462, AX009712, AX035980, I13349, A91965,
AR062871, A38214, I56772, I95540, AX026824, AR062872, AR062873, AX026823,
AR088705, AX026821, AR031374, A20702, AR031375, AX001325, AX001326, AX001323,
AX001324, A20700, A58521, A43189, A43188, AR020969, A84772, A84776, A84773,
A84775, A84774, AR067731, AR067732, A58522, A91750, A49700, AX006816, A18053,
A95051, AR080470, AR077142, AR095492, A23334, A75888, I70384, A18050, A60111,
A23633, AR007512, AX012337, AR043601, AR083151, I06859, AR091393, AR079804,
I60241, I60242, E12615, AX018504, AR035193, AX023553, AX023548, AR027100, A92133,
I28266, AX003207, AR085082, AR085089, AR085091, AR085079, AR085083, E13740,
AX001322, A10361, AX008555, AR093385, AX009487, AX032758, A63067, A02712,
A51047, A63064, A63072, AR068507, AR068506, AR073846, AX011024, AX021518,
A25909, A35537, A35536, A11245, AR025207, A02136, A04664, A02135, A04663, A02710,
A07700, AX027811, AX027809, A13393, A13392, AX027813, AX030369, AX030368,
AX027812, AX027810, AX027816, AX027817, AX027818, AX027814, I21869, AR074365,
A85396, A70040, X68127, I08051, AR069362, AR069364, AR069364, AR028564, A86792, AX042372,
A85477, A60985, A60990, I66481, A44171, I66488, I66489, I66485, I66490, I66491, I66492,
I66493, I66482, I66483, I66484, AB016080, A91754, I66498, I66497, I66496, I66486,
AR037157, AX046332, AX001082, I66495, I66494, I66487, AX006821, I18371, AR089207,
AR089206, AR089208, AR089205, AX006825, AX006826, AX006822, A83642, A83643,
A83151, AB037923, AR035975, AR035977, AR036905, AX003194, AR096545, X81969,
A67220, AR072502, AR072503, AR072501, AR095491, AR022240, AR095490, AX006820,
AX035632, AX035630, AX035631, AX035629, AX006819, AJ244003, AX046223, A95117,
AX033488, AX033489, AR018924, AX033474, AX033486, AR018923, A48774, AX023549,
A48775, AR015960, AX023550, AR000007, AR015961, AX006817, A23998, A95052,
AX023554, A98767, A93963, A93964, I63120, AR043602, AR043603, AX023555, AX023556,
AX023552, AX023547, AX023551, AX023546, AF261960, AF261959, AX006818, AR054109;
AR072500, AR035974, AR035976, AR035978, AX006823, A58524, A58523, AF261962,
AF261963, A24783, A24782, I03343, AF261966, A81878, AR069650, AX047064, E14304,
AR096518, A27396, AX000085, AX042377, AR091518, AX042375, AX042373, A49045,
E16678, A82653, E16636, T82228, R50315, R50324, R50325, H28329, H94382, N79828,
W17091, W38400, AA252866, AA252927, AA740285, AA858387, AA449992, AA824253,

HLDRT31	152	975754	1 - 697	15 - 711	AA884524, AI301704, and AI670928. AL534044, BE393397, AV683465, AV684627, AV689796, R95052, AL036390, AV660907, H56723, BF955572, T82240, R94378, H47159, AL045713, AV692841, H57229, T68625, R29170, H77694, AL046550, H67944, H67929, AW392670, BE695785, AW971745, AW804686, AL119319, AW604723, BE705906, AW858526, AW858525, AL119439, AW861944, U46347, AL119484, BE705905, AL119396, AL119391, AL119457, U46350, U46351, AL119324, AW577135, AW384394, AW861889, AW858455, AW372827, AL119401, AW363220, Z99396, AL119399, AL119443, AL134525, U46349, AL119497, AL134527, BF868684, AL119363, AL119444, AL119355, AL119483, AW877209, AL119522, AL039912, AL037205, U46341, U46346, AW604726, BF868687, BF868697, AL119418, AL119335, AL134538, U46345, L11924, I36334, I84668, I36338, I36332, I36333, I36337, U37055, U28054, AL137798, AL021920, U28055, AB026436, AJ279014, AR066494, AX046357, AR060234, A81671, AR069079, AJ251859, AX030435, AR054110, AR043113, and AR080280.
HWLHW86	153	975771	1 - 1639	15 - 1653	AI718512, AU123914, AI748996, AI951481, AI745085, AI809713, AL525153, AU134222, AW188163, AI721217, AW007667, AW103479, AI828182, AW004850, AI686915, AI628538, AW070523, AI962963, AI697298, BG248600, AI471537, AI635101, AI889467, AI978632, AW860950, AW167961, AW474348, AW190605, BE674290, AI571882, AW129970, AI922593, AL047838, AI579919, AU126920, AW055284, BE869430, AI955311, AW242156, AW272287, AW873982, AI743468, AW513282, AW129586, AW571890, AU117740, AI624711, BE869709, BE870743, AI469222, AI625272, AI684079, AI679591, AW780155, AA424668, AI679333, AW473340, BE047040, AW475082, AI571037, AW029090, AI809712, AA130871, AA528645, AI459465, AW780425, AI540550, AV748643, AA528637, AI024785, AA406196, AU155306, AA411381, BE672486, BF028802, AW591592, AA577525, AI333612, AI687294, AI241214, AI299682, AW473388, BE177710, AW749077, AA483903, AA847578, AA424571, AI889684, AU149678, AA502398, AA580416, AA130926, AW862587, AW820899, AA835115, AI707527, AW075441, BE394676, AI216279, AI579897, AI886530, AI285185, BF038363, AI285353, AA908633, AL525154, AA724605, AI219442, AV748644, AI269213, AI038566, AW769100, BE843159, AW196292, AW361641, AW610090, AI824537, N92767, AA527850, AU144491, AI475347, AI475347, BE168336, BF034328, AI078813, BE159920, AA443854, BF759422, AI074078, AA846205, AI803815, AI300799, AI689710, AA983659, AI289495, AI022819, AW473456, AA548485, AA554075, AA235136, AW193746, AI538623, W33013, AA158014, W32964, AW578996, AI123271, AA635113, AI567018, AA157929, AA526284, AA113218, W39707, AI702978, AA137210, AW971233, AI364251, AA493629, W15485, AA446644, W19420, W35400, BE720821, W37704, R81916, AA146623, BF673265, AI494071, AW132100, AW951883, AA055858, AI215543, AA158159, AI625623, AI284796, AW971035, AW372994, AA160230, AI362334, BE002725, AA234829, AI890170,

					BF754248, AA492337, AI540630, AA975975, AI355511, AW372993, AI273060, BF761761, AI269466, AA121220, T92910, AA921713, BF754344, AI879463, AA911150, AA121180, AW188810, AA160229, AI420818, AI027882, W37705, AI261387, BE168499, AA952991, AI459610, R81812, BE697943, AI471346, BE075987, BF083538, AW580209, AI287287, AA975982, AA056345, AI868149, AI364013, BF823651, AW840200, AA843969, AI648613, BE768195, BE814795, AW189830, BF754192, AI860872, BF756276, AI264210, AA991650, BF756288, BE842954, AI870054, BE090012, BF886419, AA055808, AI540417, BE814799, AA948420, AA157928, AW168044, AW149942, AW168037, BF829547, BE937286, AW385044, AI459644, BE087104, AA143554, AI340883, AK026585, M33011, AX014895, X14758, M26481, M32306, I06776, M93036, M93030, M93029, I06778, M93034, I06777, M93033, AX046357, AR060234, A81671, AR066494, AJ279014, M93031, M93032, AJ251859, AX030435, AR023813, AR064707, AB026436, AR069079, AR054110, M93035, T93002, W31719, W31924, AA056712, AA136491, AA158227, T10928, D25749, AI611741, AI648637, AI687877, AI886222, AI915472, AI926113, AW025152, AW050533, AW051181, and AW189650.
HOFNM53	154	976051	1 - 1576	15 - 1590	
HDPSE86	155	976207	1 - 1781	15 - 1795	BF974829, BE397549, BE397511, BE562264, BF976322, BE396546, AW245133, AW001450, AV708281, AW248252, AW247758, AI918591, AI299148, AI741759, AV705891, BF327331, BE718012, BF764942, BF353438, AI583563, AI961410, AI679359, AW081424, AA865519, BG260187, AA807017, AF086713, AF086714, AL137462, AF262962, U31501, AK026830, and X52562.
HHFOE18	156	976216	1 - 1574	15 - 1588	AW964029, AA447232, BE155292, BE706821, W00562, AI752017, AA478880, BE072829, BE072835, H83253, AA377805, H53182, AW175670, AA295304, AA300104, C14702, AA431941, AI378520, AW444970, BF350693, AI127045, AI633683, AI345957, BF002061, AI033307, AI394583, BF349443, AI738683, AI677991, BE072831, AW207729, AI627661, AI274923, AW317022, AI983858, AA478623, AI751620, AI913309, and AL355492.
HHFNH27	157	976968	1 - 945	15 - 959	AL527962, AL517471, AL535489, AL535229, AA608734, AI760012, AW117939, AI038063, BE275287, BF966024, BF182712, BF794346, AV711147, AI992187, AI089408, BE271201, BE515144, BE785567, BG110602, BG028741, AW007641, BE735414, BE622727, AL538228, BE784154, BG108156, BG026353, AI444578, BE735452, BE277188, AW081275, BE562586, AL517470, BG034283, BG177569, BE270977, BF129032, BE730250, BE515135, BE745656, AI911660, AI762510, BE562179, AA573212, AW058227, BG252386, AW026216, BE781752, AV755448, BE780584, BF305350, BG036120, AI479604, BF976260, BE893200, AU126121, BE794959, AA482981, BG026476, BE277036, BE905103, AW167227, BG166075, AL525753, BE513556, BF237575, BE885910, BG028762, BE886434, BE734123, BF309611, BE736636, BE789073, BE878062, BF794656, BE275217, BG249366, AA595496, AA843894, BE612825, BE893060, BF686280, BE887584, BF237505, BF675994, BG113631, BE297840, BF307019,

| | | | | | AU122814, BF342127, BE868928, BE963028, BF306753, AV755305, BF084929, AW873019, BE787083, AA102495, BF129033, BF965678, BF679311, BE736078, AA484847, BE252599, BE268328, AW021139, BG113023, AV757532, AI434970, BE395099, BE300956, BE268437, AW248649, AA148134, BE263792, AA564246, BG106885, BE378286, BE409300, BE539510, AW364114, BG169025, BF128966, BE397499, BE300638, BE906272, AW167837, AI523273, AI633224, AW188513, AL535488, AL525699, AI204666, AW512941, BE743078, AI027124, BF308821, BE613387, BE788345, BG256684, BE514424, AV681767, BE884744, BE565632, BE276742, BF974229, AA486523, BF185882, AA166855, AL527961, BE271243, AI671081, BF116147, AW516517, AV698198, BE295099, AI572593, BF216863, BE743737, AA486521, AA847553, BE264509, BE778919, N39028, AV698205, BE296288, AI149325, BF684704, AW304719, AA908430, AW630040, AW873419, BE395711, BE786296, AI702096, AV758156, BF030227, AI907636, BE727628, BG107645, BE439984, BE272016, AIT35493, AI052028, AA976287, AI220686, BF891229, AU128718, BE389832, AI640723, BF210853, BG230809, AA485916, AI926630, AW515972, AA485917, BF971948, AI890625, AV727847, BF307745, AW302543, BF973342, BE966702, BF185214, BE866342, AA165420, AA860308, AI093142, AI685983, BE735516, AI432974, AW149055, AA954903, BE208455, AA948412, AA528110, AW103530, BF679571, AI925307, BF185263, AI200011, AA804159, BF205661, AA865402, BE393349, AA988428, AI784413, AA420759, AA609843, AW305063, AA664241, AW249084, BF304780, BE537856, AV697099, BF305432, AW411421, BF669093, BF027024, AI828699, AV717083, BG167697, AA581306, BG231290, BE786085, BF194802, AA971093, AA836793, AI092573, BF674869, AF054187, X80909, AJ278883, AC002994, U22151, AP001208, U48364, U48363, AL138717, AL355707, AC006160, AX014112, AX015401, T53676, T55906, T90594, T93775, R07734, R40067, R75978, H70091, H82195, N48219, N99411, W07071, W17213, W24422, AA025972, AA101054, AA151491, AA165123, AA173462, AA226280, AA420620, AA581277, AA657477, AA664557, AA742717, AI001127, AI002459, AA095490, AA648154, AA626408, AA670063, AA758894, AA853887, AI123098, Z28479, Z28824, D25876, D30821, AA701908, AI434582, AI185181, AI694837, AI744149, and AI813365. |
| | | | | | H59173, AL133861, AW131034, C06458, AL042282, AW467497, F34939, BF945995, BF760573, AA526099, AL120191, AI610634, BE149287, AW609312, BG106119, AA744449, AA744465, AA745470, BF853581, AA728911, AU145868, AL022336, AL133173, D84394, AP000509, AC007225, AC021036, AL133230, AC006111, U96629, AL034379, AC006050, AC003029, AL034422, AL109865, AC007619, AC010077, AP000692, AC004896, AC007227, AC011491, AP000967, AF200465, AL121905, AC004150, U78027, AC018755, AC005921, AL035422, AC005003, AP001725, AL022316, AL135927, AL391114, AC006312, AC009244, AC024075, AL138815, AF196969, AC005211, AC004596, AL035249, AC053467, AL136000, AF001552, AL050307, AC004678, AL031588, AL031284, AP001670, AC004962, AC010463, |

| HMMBZ81 | 158 | 977264 | 1 - 538 | 15 - 552 | |

					Accession Numbers
					AC006329, AC004912, Z98051, AC005229, AP001759, AC018514, AF139813, AL034402, Z85986, AC002418, AC016644, AL035608, AL031291, AC007041, AC020916, AC010512, AL138976, AL031721, AL133211, AC004826, AC024561, AC018639, AC004867, AC002044, AC011529, AC018644, AL353804, AC007954, AL049760, AC002554, Y12854, AL049697, AC004386, AL022345, AL136365, AL096791, AC003104, AL022302, AC068499, AL031427, AC005839, AB038490, AL139382, AL139333, AC009225, AC004166, AL359502, AC006330, AC010328, Z97989, AC004531, AC004878, AC008496, AR036572, AL158070, AL034423, AC002476, Z99716, AL079335, AC002369, AC007229, AC005702, AL008719, AC006077, AC018511, AL136295, AL031723, AL121983, AC011494, AP000116, AC005098, AB035192, AC007537, AL356244, AC005412, AC005004, AC004000, AL136137, AL138706, AL049780, AC005840, AC019176, AC005821, AC000003, AC005363, U91328, AC027319, AC004983, AC005902, AC006452, AC003982, AP001435, AC005899, AC004057, AC005365, AC004965, AC019226, AC007000, L78810, AC005995, AP000008, AC003042, AC005516, AC000159, AL133245, AC004382, AP000704, AC012627, AC004232, AC005940, AC005071, AC083862, AC003108, AL080317, AL117694, AC003109, AC002045, AL021707, AL132653, AC005829, AC005522, AC010305, AL133215, AC007566, AL050335, AC005895, AL132639, AC016395, AL121907, AL031597, AC021019, AL157372, AP001753, AL031778, AL391384, AF003626, AC005803, AC078889, AL049872, AC006101, AL117341, AC005180, AC009509, AL445248, AL139286, AL139342, AC005488, AP001713, AP001727, AC008623, and AL354816.
HSLGF32	159	977704	1 - 1585	15 - 1599	BE784734, BF528372, AW664953, AW294691, BF670655, AA411625, AA464785, AA971619, AA909175, AA406575, AA256188, AA486336, AI868650, AW276335, AW271701, AI908352, AA488056, R93249, AI864543, T84938, AI282858, H95668, AA256150, R16409, R12671, BF588476, AI797610, T91956, BE622938, AL042508, BF755924, AL035669, and AL133063.
HEEAH23	160	978593	1 - 427	15 - 441	AL529051, BG168572, AV687207, AW247426, BE249849, AK022736, AB014549, AC008132, AC023491, AC007981, AC023490, AC007957, AC011718, AC009288, AP000552, and AC008079.
HODFU73	161	978812	1 - 771	15 - 785	AI337853, AI290624, BE613007, AW190836, AA036954, AW392096, AW452245, BF039005, BF699641, N95243, T25091, AA036998, AI648608, R47204, AC007392, U85707, U33630, and U33629.
HNBUA49	162	978998	1 - 1620	15 - 1634	AI871477, AL520825, AL525683, BF686227, AL040660, AI049979, BE746500, BG260309, AI051966, AL043088, BF792585, AL041341, BE249840, AI760387, BE273020, BF690244, AA772213, AW440407, AI860755, BF663608, AU118417, BG169576, BE873422, BE378917, AI192298, AI818417, BE293451, AI676150, AI828421, AI827007, AW071445, BE315277, BE293812, AI701967, AI690912, AW151086, AW167306, BE293738, BE250330, BE250827, BF526581, BF972183, AW795577, AW474833, BF527867, BE221350, AA837413, BE858496, AW071494, AW276436, BE260699, AW577804, BE304919, BE222850, AW673333,

AW075956, AW008097, AW673186, AW874024, BE855606, BF793342, BF981077,
AU150636, AW105530, AW327799, AV716873, BE206545, AI423896, BF590102, AI422757,
AU151805, AI583519, AV748565, AA100791, AI432149, AI625147, AU159544, BE501652,
BF930542, BF382084, AV653600, AA210741, AU158743, BE080390, AU152148, AW769926,
AW628440, AA179318, BE206099, AU150458, AA876177, AA563777, AU158666, AI362744,
AA224191, AI421151, AL045323, AW591427, AU158727, AW327747, BF724136,
AW674575, AI571339, AA625492, BE080591, AA978327, AW069351, AI623551, BE302154,
AW406335, BF437649, AA100668, N52191, AI803285, AI148219, BE388467, N62276,
AA026368, BE293537, AA596028, AI133659, AI953887, AA548331, AA261884, AW958981,
AA026460, AA961903, AW005591, AA179198, AA478699, AA813193, AW795406,
AU124264, BF894701, BF894686, BF894695, BF894708, AA219239, AI858881, AI610775,
BG179167, AA707867, AA121073, BF856069, AA478566, AA806007, AU123571, BF894707,
AW474269, AA134606, BF892690, W74253, BF892630, H03937, BF892682, BF892687,
BF894698, BF892676, AA570585, AA513041, AA133174, BF894699, AA501991, BF512446,
AA586629, AA504801, AA013420, AA630849, AW083144, AI805490, N70821, AA643594,
AA596034, AI289216, BF892680, C04747, AI271894, BF815785, AI289106, BF892679,
W27280, AA026128, BF337556, H94254, AI049724, BF892629, AW501311, AA399054,
H73103, BF856063, AU149956, AA037039, AA219235, AI271538, AW367209, BF892626,
BE728143, AI366932, AI570907, H58110, AW651725, H80114, AI290432, AI754935,
AW293220, W79805, AA025524, AA582440, AW575085, H73102, AA827997, BE439707,
BE464656, H58111, AA489087, BE302060, AI270714, BF892675, BE301202, AI590856,
AA744568, AI369704, R73204, AW780143, AW731637, AA380152, AA773895, AI590988,
AA725266, AA219739, AA779610, AU146663, AU149538, AU160285, AU150445,
AU148625, AA062970, AI499125, AA258327, AI637594, AA100845, AA974509, AA126274,
AI417555, AW512043, AA568289, AA678785, AW007734, AA677610, AU149460,
AF085356, AK026662, AF119874, AB018331, AK023840, AK024391, AC003663, Z70200,
AK024833, U28386, AX021840, U09559, AC002069, AB044547, AB052191, AL359620,
AF119875, AL136884, AK024986, AL162062, AK026647, AL389982, AL359615, AF130059,
AX020124, AK026630, AF113690, AF130082, AF116602, AL035458, AL050155, AK025798,
AK000083, AL049314, AF182215, AF260436, AF130066, AC007383, AL353625, AF116676,
AF113694, I48978, AL137523, AF130054, Y13350, AF218031, AK026045, AK000636,
AB049852, A08910, AJ012755, AB049892, A08909, I89947, AF159615, AK025015,
AJ003118, AL117435, I66342, AL133637, AF116688, A08916, AK025113, AK026452,
S68736, X56039, E07108, AL110228, AK025431, AL389935, AL162002, AK024978, I30339,
I30334, AK026600, AC004883, I00734, AF130104, S36676, AF217987, AF260566, AL133031,
AB038698, AL050277, X87582, AK024992, U49908, AK024546, AF079765, AF116654,
AL353957, AF031147, A08913, AK027116, S79832, AK026793, A07647, AK026865, Y10655,

HVVDU73	163	979346	1 - 2290	15 - 2304	AF130099, AF183393, AP001731, AF022363, AL137480, AL122110, AK024524, AK025967, AF125948, AK025375, AF119843, AB025103, AF097996, AF069506, AK024538, AF026124, AL137533, E00617, E00717, AL137479, AK026649, AK025119, AF116682, AK026593, AL353802, AB048954, AF091084, I89931, AL049466, AK025092, AL080127, AC006840, AL110159, U75932, AR087170, AL357195, AK026434, AF109905, AF185614, AF110520, AL080060, AL080074, I48979, M96857, AF262032, AK026927, AL096744, AX015915, AL353935, AL122049, AK026086, AX019230, AL110296, AF113222, AL137527, AC004987, AF104032, AF228740, AF116639, AF079763, AF113019, AL161628, AC020956, AK024588, AL049283, X62580, AF143723, AF109906, AL133665, AK027146, AL137529, AK025708, A08912, S77771, AL117432, AL442083, AR038854, AL121656, AL162004, AR038969, AL110196, X59414, AF130105, AL117460, AK025312, AL050149, D16301, AP001434, AF095901, AF056191, AR034821, AX019229, S78214, AF116631, AC026888, AK026592, AR013797, AF207750, AF100931, AF113677, AF119899, AK026480, AF217966, AF087943, AC024247, Y10936, AF225424, A76335, U90884, AL133081, AK026613, AL359601, AF130087, AF177401, AL096720, AC007298, AL080126, AF113691, AL049430, AL389939, AF230496, AR011880, A18788, AL133098, AK024594, AP000020, AP000208, AP000130, AK027113, A18777, AL078630, E05822, AL133080, AL390154, AC006994, A08908, AK025084, AL049452, U87620, AC009079, AF130077, AF138861, AP000247, T67169, R20816, R24658, R25161, R40914, R41435, R73140, R81373, R81372, H06889, H46823, H54818, H54871, H81473, H94154, N32627, N46428, N48932, W01455, W06926, AA018684, AA025964, AA026187, AA054130, AA055045, AA055125, AA065166, AA065167, AA100667, AA179767, AA180497, AA195448, AA419052, AA423810, AA503664, AA505153, AA523741, AA553985, AA564040, AA593108, AA622976, AA640554, AA809927, N88176, C21410, AA650018, AA449101, AA653215, AA852239, AA854546, Z17869, AI049748, D19884, T17286, AI364637, AI453514, AI127010, AI539032, AI611219, AI589831, AI524665, AI686352, AI828866, AI869810, AI911878, AI933456, AI934178, AW009720, AW051077, AW071728, AW074449, AW151358, AW197391, AW272974, and AW297704.

				BE616124, BE736954, BF688519, BG260795, BG259849, AW374307, BE616155, BE744973, BE292792, AW994447, BG248534, AW374312, AW374318, BE531047, AI940618, AW601821, BE672984, AI817651, AW170508, AA253308, BE868161, BG009649, BF435220, AW365668, AI940653, AW365613, AW081928, AI674909, AW572265, AI961488, AA573938, AI923587, AA159477, AI940633, AI620321, AW089967, AA636061, AI866782, AI888802, AI457146, AI932621, AI379539, AI186201, AW374300, AI262916, BF739152, AA934750, AI940625, AV656354, AI354896, W60466, AI318103, AI394281, AA588706, AW970628, BF736328, BF883594, BF689168, AW079392, AW369391, AW853512, AW188567, AW188566, BF835784, AA252902, BF736819, AW376365, AI472809, BF836557, AW751488,

					AI368181, BE042388, AI625947, AA160436, AA552111, AA502830, T97710, BF812178, BE083633, BF737129, BF737107, T97813, BG222333, BG222571, BF914747, BF916953, BE871206, AW117966, AA715308, BE838489, AW392656, BF764625, AW291547, BE714141, BF754423, AW362652, BE714142, AW087246, AI682601, AW389752, AW375948, BF737124, AI700409, BE827597, AW074322, BE899333, AI824247, AW375934, AW366796, BF772249, BF882777, AW178433, BF843569, BF834553, AA300230, BE564406, AW794420, AW375987, AW375988, U42408, U58994, U58011, and AC006504.
HHESX72	164	979468	1 - 467	15 - 481	BF797761, AU130033, BG258778, AU119794, AW965889, BG028456, BF970462, AV728480, AL522193, AA315962, BE786036, AW960384, AV715388, AU131704, BE695281, AU132895, BF219071, AL536015, BF184112, AU129283, BE729622, BF696698, BG167039, BF034416, BE695309, BE265086, AA319546, H97758, BE544565, W90369, BF332962, AW408349, AI078747, N59486, AA359114, R09724, AW242801, AI765280, AI990488, BE244651, H22047, AA085546, AA091085, AL521415, AI858033, BF111619, BF061858, AA776634, AA359816, N56221, AW602190, AI040358, AI248524, BF792722, T18889, T70782, AW057675, T18872, BF906431, AI633892, AW205883, AW872943, AK023053, AK021905, AC005189, AK023007, AK001665, and AL049758.
HOCPY88	165	979547	1 - 1395	15 - 1409	AW004023, BF690205, BF791885, BG029479, BF000545, BE047000, AW977945, AA909986, AU151274, BF512375, AU147671, BE350857, AW467591, AA142943, AA811324, AA150646, AW468491, BE672409, AI301026, BF689816, AW845190, BE392310, AW514680, AI984280, BE140523, BF229544, U53081, D20997, AC006544, AC003065, AC005033, AF035299, U70987, AF180527, and AF229166.
HOGDC64	166	979666	1 - 1794	15 - 1808	AA868550, AL530411, BG254611, AW954131, AI201166, AW193909, BG151533, AW084462, BF791908, BE260095, AI922273, AA523858, BG260949, AA781100, AW105220, AA596049, AW005327, AI214604, BF984366, AI802642, AL524639, AW090564, AI567735, AA897529, AA193192, AA629069, AU147852, BF979856, AA858423, AA425360, BG149247, AA908794, AA778624, AI686401, AA393835, N72685, AA868129, AA923361, AU148101, AW183908, BE206598, AA075361, AA580324, BF743368, AI357135, AA926834, BE670517, AI803714, BF197076, AI284934, BG116362, AW983892, AI284936, AU154733, AI130025, AA758676, AA907260, AA311449, AI077310, AI298616, AA706885, AA969247, AI457308, BE045930, BF743297, AI418560, BE219395, AL043460, AA861359, AI720212, AI342423, AA468338, AI936296, AA075362, AA548507, AA973365, AA053135, AI659588, AA425566, AW607431, BF743315, AA548647, R37961, AW246825, AA136701, BE439633, N68585, AA834427, AI635130, AI167347, BG164125, AA431980, AI264546, AA431965, AA176535, AA748183, AW750653, AA989525, BF223350, F31676, BE253169, AA468339, AW950325, N46268, AA769323, AI985073, AA994254, AW470425, R53597, AI621110, Z24883, AI285063, W81103, AW090765, BF957740, AW628661, AW592166, BF767591, AI703044, AA385560, AI860560, AI202413, F30676, F32050, AA564380,

			1 - 774	BF746952, AI825239, AI968137, W79734, BE873411, AA287653, AA115881, R85239, AI744073, AA167348, T86533, Z38604, AW770643, R51927, AI202295, AA179037, AW270665, AI264373, BF798526, AA053156, H42012, AW444498, AW352219, BF333672, AA085898, AA470660, AI758554, T31099, AA558872, R38012, AA136762, AA287687, AA115880, T86441, AI468196, H42011, AA534699, AW804206, BE070180, N46267, N90395, AW844155, AA090750, AI675960, BF247759, BE349924, AW372224, AW388763, AA916893, BF743292, AA085897, W02464, AW389016, AW388799, AA736580, AW388788, T78373, BE709036, BE782320, AI952913, BF374837, BF374374, AI133347, D19952, AC003950, X97335, AX017488, AR023768, U95146, U95145, AF068202, and AF113698.
HSIEA14	167	980139	15 - 788	AW301736, AL042667, AL042670, AV695478, AW328202, AW238341, AI538491, AA569494, AA572983, W42588, AI278972, AL120141, AI821382, BE042006, AI307201, AA501461, AA837597, AA514450, AV761433, AI753969, AA613761, H68343, BE139139, AI250552, AV648653, AI284543, AW020612, AI689198, AV656063, AW613448, AI005613, BF917473, AI254770, AI744830, AI820534, BG030789, AI251284, AI251034, AI251203, AI223626, AI249853, AA526099, AW023515, BE138387, AA602105, AI798407, AI439393, AI690497, BE169870, AI692245, AL133519, Z83819, AC002350, AC021036, AL031733, AP001706, AC005844, AF017104, AL157372, AL117341, AP000073, Z84487, AC007282, AC011742, AL022336, AC019106, AC008011, AF049895, AL109797, AP001710, AL160231, AP001759, AL137073, AL391114, AL049713, AL133454, AP001683, AC058791, AP000104, AC007880, Z93341, AC011904, AP001714, AC008738, AC016689, AC008543, AC009225, AL024507, AB000882, AC006449, U96629, AP000344, AC007225, Z98946, AL050333, AL049838, AL121782, AC004491, AL009181, AL035249, AC005064, AL121825, AF205588, AC024082, AC009060, AC005663, AL121949, AC007546, AF107885, AP002530, AC011500, AL137060, AC005969, AC005216, AL031848, AC005291, AL133453, AL353802, AL078591, Z98742, AC002418, AC004386, AP001728, AC013429, AC018513, Z83843, AC002303, AL139826, AC005703, AC008008, AC003042, AL033042, AL033381, AC005332, AC007938, AL121872, AC006121, AL138755, AC073574, AC011311, AL139109, AE000658, AP001725, AL138828, AC009236, AF196971, AC002429, AC009016, AC012156, AL157791, AC004847, AL109743, AC006160, AP001712, AC007486, AL157413, AC005352, AL109923, AP000692, AC005386, AC004977, AL034550, Z96050, AL360227, AC000004, AJ229041, AL121878, AC008267, AC025442, AL117333, AL136979, AL050317, AC008750, AL359704, AL031681, AF027390, AC004743, AL008732, AC009501, AC007690, AC005562, AC078889, AL355886, AC009238, AC005214, AF280107, AL121852, AC009470, AC007773, AP000352, AL031685, AL136365, AC005821, AP001720, AC020898, AL356379, AL049760, AL049776, AL441887, AC010219, AC003992, AL138752, AC012351, AC012309, AL080317, AC002381, AL035458, AL031289, AC003662, AC036103, AC007312, AL445687, AC006120, AC024600, AF241726, AC005358, U80017, AC004859, AL133153, AC027689, AC005069, AC007376, AC009953, AC018684,

HSPSY43	168	980269	1 - 2040	15 - 2054	AC010363, AC007868, AC004833, AC004000, AL031427, AL022318, AC007240, AC003108, AC010328, AL132777, AC007542, AC006455, AL157827, AC006001, AC007637, AC007262, AF015720, AC006996, U91323, AL158167, AC004745, AC074331, AL121585, AC006372, AC009455, AF190464, AL035555, AC022493, AC003029, Z84474, AC016543, AC027644, AP001660, AC008518, AL391259, AL049834, AL121652, AJ239323, AL163853, AC002289, AC005488, AC004887, AC005690, AC007000, and Z98950.	BF570385, BF570180, AI088647, BF966694, BF569195, BF970112, BE878705, AL535894, BF569896, BF340266, AI810738, BF530956, AV725665, BF342973, AI692873, BE271105, BE857228, AI927745, AW615420, AW151706, AA604247, AI635900, AW939256, AW957194, BG230571, AW379494, BE677698, BG056692, BF512850, AW021444, BF690190, AW664391, AW139560, BG110726, AW874658, AW993371, AI814903, BF934595, AA181281, BF381326, AI376165, BE812324, BE812388, AW815353, AW391289, W28891, AV728400, AV728587, BE349042, AV728581, BF325900, AW337194, AW024107, BE396023, AA633395, BE162632, BF527023, AA588810, AA280897, AA225306, AW391295, AI079706, AW815349, AW615553, AV709840, AI355025, AW815345, AI933698, AA804867, H40915, BF886757, I28873, AA838292, N81045, AI880159, AA114109, H28176, BF961849, AA324213, R59225, AA683224, AW469170, BG057112, H01864, AW880763, AA937395, AI358224, W28580, AW246848, AA324217, H11123, R94484, BF874169, AA085617, BF928701, BF874235, AA085638, N36164, BF874174, AA324212, AW498678, AW667997, AA062605, R94485, BG025843, AA134213, H49769, H27022, BF805105, BF957582, AL535893, T16201, BF934521, AA350507, H20777, BF932804, AA280980, AW798119, H11229, AV737823, BE206328, AW248633, AA363975, W27715, H22592, BE833306, AA324216, BF447502, T15660, BE833364, H28112, H01863, R86196, AA487774, AA114108, AW385117, D51308, AA350426, H17100, T60117, D56054, R48122, D53610, AA304177, H93755, BG152466, AA826966, H61236, H85695, H40957, R44085, D51453, D53774, W07855, R78317, BF868560, BE714884, D54618, T52550, BF923220, R33264, BE208564, R36346, AA531190, R23239, T16142, F03239, R77946, AI699038, AA308600, R38937, R69514, BE812147, BE315213, AW058016, R33115, AA531179, R48009, AI867014, T03351, BE833265, AA307648, BG015610, AI906574, BE561639, AA350885, BE271301, BF445731, AA327459, AI906575, AA335642, BF803379, R28604, R48570, H30153, AW945153, AA350733, R28687, D51827, R50396, BE707678, R48669, H61237, BF844403, BG055063, R35977, BG252221, BF926656, T60235, BE833079, H93754, AW883909, BF753805, BF445655, D52027, R69383, AW298249, BF844409, AA317457, D51335, BF844405, R46848, H30776, AA747462, AI583318, AW800460, F10359, AA345500, W23224, R44794, BF844410, R42513, AA809531, R47759, BE019728, F07289, AW950062, BE771559, N44157, AA373489, BF093102, AW885353, N69784, AW885226, BG007722, AI358239, BF771401, R23314, R28550, BF933179, AL110273, J05243, U83867, X90845, J04828, X86901, AF084186,

Gene					Accessions
HSXBH24	169	981029	1 - 2428	15 - 2442	X14519, M19725, M19726, A74748, A74747, AL162062, AK025407, AF262032, AF207829, AK026947, I89947, X62580, AL137538, I66342, AF102578, AF067790, A65340, AL389935, AL353957, AL355701, AL110221, AK026532, AL137429, AK024588, I48978, AK000432, AL050172, AB007812, AL080137, AF130104, AF119909, AF113676, AK027136, AL137463, AF207750, AL133067, X79812, AL137548, A08910, AL080126, AL122050, A08916, AK026542, I33392, Z82022, A08913, AL137658, AL137294, AL162083, AF183393, AL122098, AF116644, S69510, A08909, AF065135, AK025632, A18777, AB050410, AF159615, AK027221, AK025435, I30339, I30334, AK000718, AL122110, X72387, AL049314, AF177336, AK026744, AK025092, AL359618, AF061795, AF151685, AL389978, AL050116, AK000450, AL050277, I89931, U92068, AL137271, U87620, E02221, AR087170, AL137478, AB041801, AK026583, AK026613, AK027142, AK025708, AB049758, S61953, AB019565, AF017437, AL137526, AL133093, A65341, AK000137, AL049382, U80742, AF015958, AL133560, AK026408, AF012536, AK026533, AL162008, AX019230, A77033, A77035, AL359583, AL137574, AK024538, AL137712, AL137558, AX027129, AR034821, AR011880, AL080124, AL117648, AK026894, X55446, AF130055, Y11587, AK026480, AK026522, AF116646, AX020124, AF130077, AK025383, X72889, AF155148, AK000652, AF116688, AK026504, AB047966, AR029490, AK024601, AL359600, AK027161, AK025209, AF130105, AK025541, AL080127, AF090900, Y14314, AK026927, AF130082, S77771, A08912, AL137660, AL137656, AL133619, S78214, AX019229, AX026824, AX026823, A58524, A58523, AK026534, AF090934, AL122049, Y16645, AK027096, AF097996, AL133080, AK025339, AB048974, AL359601, AF090886, AK025015, AL389951, AF208850, D55641, AF116631, AR038854, S68736, AL359941, AF113019, AF119894, AF111851, AF113677, AX046842, AF090943, A08908, AK026353, AF225424, AK026784, AK027164, AL117460, AB044390, AK026624, AK000250, AF130099, U77594, S76508, AF116682, AL137300, I89934, AF013214, A23630, AL133640, AF130100, I03321, AL137459, AK027160, AB052200, AK025524, AF158248, E03348, AF111112, AK024594, AL080060, X82434, AL137283, AF119899, AB047615, AL049466, AK026885, I48979, AL049452, AK000083, AL137550, AJ010277, AK000690, AL117435, U35846, E03349, X63162, AB047248, AX047644, AK025958, AB052191, AF153205, AF113222, T51433, AA634707, Z19669, Z19896, AI678283, and AI701294. AI052508, BE048691, M79221, AW338514, AI262660, AA953663, AV726620, BF752825, AA813125, and AI373503.
HOFAE61	170	981108	1 - 1219	15 - 1233	BG033389, AI393309, AW005351, AI807923, AW960185, AW166132, AW664889, AA194090, AI916382, AI799077, AW328387, AW340414, AW960398, AI131240, AI188081, AW300307, BF131508, AA855025, AA287690, AI694793, AII38878, AI362805, AII98516, AII31388, AA287658, AW139698, BE551852, AA934428, AI701814, BF056959, AI824988, AI680753, AW328388, AA308513, AI654495, AA304908, AI955554, AV741520, BF111228,

					BE673760, BE673856, AW087574, AI630546, AA062563, AI969069, AI309588, AI266070, AA987983, AI675830, AA960973, R01958, AA973643, AI990363, BE671742, AI741149, AW138983, BF874358, BG057469, Z63217, Z62190, and Z54706.
HCFOF82	171	981272	1 - 1549	15 - 1563	BG026326, AW966939, AW967551, BE737753, AI435412, AA250982, AA811466, AI376343, AI081045, AI742225, AA131095, AA131031, AI942351, AI341938, AA489627, AA993407, AA489728, AW473525, AW268683, R91619, N98926, AI085828, BF082425, AI168315, T78254, AA250983, AA320897, AA454806, BF935477, AW380400, AA864917, W31152, AW514550, BE003760, and AL133558.
HOCMT79	172	981309	1 - 1580	15 - 1594	BE798445, BE304432, BE731636, BE897199, BG255861, BF979006, BE812965, BE728469, BF128024, BE263640, BE727056, BF358932, BE206746, BF942861, BE540525, BF311992, AW362926, R67305, T33893, AW945345, Z46204, AA324589, AW965329, AW965323, AA324404, T80030, H50913, AA281511, AA333367, BF381111, BE816128, T08567, BF991518, R18797, AA332977, AA687499, BF946438, BF822854, AA223464, BE796302, BF917604, AW392506, AW601333, AW372325, AW601316, AW601334, AW372336, AW392504, AW392498, AW372308, AW372323, AW601317, BF725792, AR087892, U32575, and AF055006.
HKAEI03	173	981319	1 - 452	15 - 466	BF342305, BF972034, AV702899, BG250659, BE875013, BG255188, AW732994, BF969129, BF973001, BF130310, BE779851, BE268549, BE783925, BE272577, BG024907, BF127762, BE784922, AI751567, AI138643, BG027985, AI564787, AI131276, AA010288, BE464595, BE858428, AI810680, BE256739, BF431981, AI312112, AI659460, BF964885, BF038601, AW614586, AI918066, AI421103, AA159852, BG036944, AA143643, AW131612, AA577070, BE170902, AW418672, F29120, AI885777, AI540181, AI889585, F36716, AB037839, and AF006043.
HOCPO31	174	981593	1 - 1686	15 - 1700	BF344523, BG120897, AI928341, AW026244, AL119974, AW003141, AI953528, AW004077, AI803375, AW001409, AA716616, AA425741, AA677488, AW594550, AII93181, BE349215, AW795298, AI262269, AW297973, AW592480, AI042286, AI436208, AII26751, AII49281, AI167937, AII87153, BG006418, AA885372, N53016, AI962663, AII43577, AW242268, AI049776, BE677119, AI818483, AI272839, AA595397, AI032066, N78497, AI742227, AU134204, AA938952, BE041590, N73656, H00225, AI187185, AI986359, AW152033, AI032073, AI302095, R77880, AW128839, AW594571, R94775, AA806624, H24559, R64451, T09483, R94950, AW957178, AI252768, H17531, AW193712, AA057787, BF061972, AW296092, AI435183, H00177, AW340042, AA535123, AW079257, AA834425, AA595382, AW662791, AI949751, AI968910, AI806704, AI954639, R34244, H21209, AA047604, R94693, F10899, R35571, H22912, AA425233, AA931668, R63839, R39530, T77481, BF357906, AW401504, R55754, BG058398, AI802542, AI440239, BG110684, BG179993, AI869367, BF527014, BE048026, BF725868, AL036631, AV715331, AW071417, AI500077, AI269696, AV650703, AV682479, AI758437, AW087445, AV715263, BF868489, AW071349,

AI270055, AI608936, AW827249, AL135661, BF792740, AI572676, AW303152, AI497733,
BG257535, AI475371, BE018334, AI868831, BF727091, AL041573, AL119791, AI636456,
AI612913, AV756122, AV703695, AL036274, AW051117, BE785905, AV681951, AL036361,
AV682787, BG260037, AL040243, AI934036, AW301409, AI682743, AW129659, AL513999,
AV729890, BG164371, AL119863, AV757455, AI702406, AI679504, AV652906, AL079963,
BE047852, AW104724, AA640779, AI281837, AL045500, AI309401, AI564719, BF054877,
BG222103, BG031815, AI343112, AI619502, BF882343, AI349598, AI318280, AW169653,
AW026882, AV757737, AV733470, BF885675, AI345735, BF812938, BG109270, AL514085,
AI433157, AL036146, BF812961, AI811344, BE048071, BE781369, BF036115, BF724691,
AI349957, BF793644, AW274192, BE887488, BG165051, BF726451, BF726421, AI567360,
AI433976, BG027280, BF795712, BG180034, AI340582, BE964700, BF727212, AI536685,
AI934011, AI28228I, AW075351, BF725644, AL513907, AI440426, AW148320, AW074993,
AI349614, AI812107, AL119828, AW170635, AI281779, AI538716, AI349004, BE884130,
AI569583, AI285826, AI312152, AL515191, BF971016, AV717295, AV755415, AI349937,
AI499131, AW268253, AI633308, BG114248, AV755668, AI863014, BF343172, AI567351,
AI620284, BF872670, BG107847, AW089572, AI348897, BG180996, AI862144, AI500659,
BF793324, AI862142, AW090013, AI207510, AV758110, AV713079, AV733397, BG112879,
AF038203, AF217798, AF290472, AF015037, I48979, I89947, AB052191, AF11663I,
AL117460, AF113694, AL110196, AL133640, I48978, AF090900, AF116646, AF130104,
AX019230, AL122050, AL050149, AL133016, AF113019, I89931, X84990, AL110221, AX019229,
AL050116, L31396, AF078844, L31397, AF113557, AF116644, AL442072, AK026855, AF218014, AL117457,
AL122121, AL049314, AL137557, AF116644, AL442072, AK026855, AF218014, AL117457,
AB019565, AF130082, A08916, AF090934, AL389978, A65341, AB048953, AF225424,
AL162006, AF090903, AL049452, AL122093, AF113677, AF116691, AL162083, S78214,
AR079032, AF090943, Y11587, AF118070, AK000212, AL133075, AL157431, A08913,
Y16645, AF130075, AL050393, U42766, AL133606, AF106862, AB048964, AK025339,
E07108, AL137459, AF158248, AF119875, AF113691, AF113013, AJ242859, AL359601,
S68736, A93016, AK024538, AF119909, AL133557, AF116639, AF130105, AF138861,
AL137527, AB041801, AF130059, AB049758, AF111847, AF177401, AF090901, AF104032,
AB047615, AR087170, AF113676, AL050146, AF146568, AF119878, AF113699, AL133560,
AL390167, AL080124, AF219137, AF116602, AF125949, AL050108, AK026045, AK025958,
AF118064, AX046603, AL050277, AL110225, AF090896, AF113689, AK026741, AK025092,
AK026865, AL080060, AL133565, AF130066, AF119899, AL049938, AL133080, AL359596,
AF130092, AR059958, AL096744, AL080137, AK027116, AR011880, AL359618, AF130099,
AK000445, AK026534, AK026542, AL117394, AK027113, AL122123, AB047904, AF207829,
Y11254, AJ000937, AK000083, AK025491, AL117585, AX006092, AB051158, AL389982,
A08910, AK000137, AL049466, AK026452, AL359941, AK026533, E03348, AL050024,

HAOTG88	175	981606	1 - 807	15 - 821	AK026744, AF017152, AF242189, AF116649, AL353940, AK000618, AF130110, AK026608, AK026592, AF314091, AF091084, AK026504, AF177336, AK026784, AK026927, AL122110, X63574, X82434, AK027096, AF116682, AL117435, AF017437, AK026959, AF111851, AB048954, AK026532, AK026647, AF125948, AK000652, AL049464, AX026824, AX026823, A58524, A58523, AL133093, AK026583, AL117583, AL137550, AF079765, AJ238278, AK025772, AL359615, AL137283, AL050138, AK024524, X72889, AF175983, AK026353, AK000323, U91329, E07361, X70685, E02349, U00763, AB034701, AF119871, AK000432, AF097996, AF260566, AK025967, AL049382, AK027204, AL122098, AL049300, A77033, A77035, AL049430, A08909, Z82022, A12297, AK026086, U35846, AK025391, AK025414, AK027164, AK000647, AF118094, AF183393, X65873, AK026528, AB052200, AK026947, AF130077, AF116610, I33392, AF116654, AK026480, AF260436, and AK025484.
HVCAH21	176	981768	1 - 746	15 - 760	BF316070, BF568141, AV758470, BF527619, BE314804, BF969586, BE410535, AV733489, BE261170, AW157185, AI928869, BF304497, AW024568, BF971396, BF310503, BE296966, BF980412, BE408549, BE884399, BE386397, AI907018, AW440484, AA883920, BE793077, BE794471, BF206989, BE877585, AA496679, AI378856, BF311371, AI859291, BE350719, BE895663, BE885969, BE315547, BF241672, AI817825, BE793139, BF210205, BF216772, BE733918, BE897650, BE312906, BE905785, BE879978, AW516581, BE382725, BF038020, BF026271, AI624337, AW732541, AW674196, BE262376, BF237436, AV710278, AV740622, BE899283, BF206520, BE276874, BF206851, BF237515, BF243039, BE313650, AI024995, AI174779, AI572642, AW163157, AW651789, AW732534, BF125793, AI025126, AI474128, AW474610, BE547663, BE831015, AA306692, BF126019, AV741980, AA075599, BE263229, AV733930, AA182921, AA642996, AA306692, BF126019, AV741980, AA075346, AI929036, AA181154, BE831027, AV756250, BE205781, AL526932, BG118384, AA526075, AA315701, BE709954, AA098806, BF734890, AI400538, AA316049, AA181153, AA526075, AA315701, BE709954, AA098806, AV727129, AA130645, BE218789, AI421479, AA482798, AI144352, AW022366, BE871748, AA451691, F36272, AA722490, AI015274, AI860627, BF767068, AI476031, AA196855, AI076945, AA601896, AA603149, AA037796, BE792238, BF674456, AI266715, BE932205, N53005, AA307818, AV727405, AA125759, BE710240, AI194072, AV764534, AA210871, AA130034, T74180, AI985806, BE709957, AV735365, AA070953, AA714540, AA453235, AV744480, BF030579, AA130033, BF239974, AA443652, AA385659, AW583010, AW675307, BF966331, N52289, BE045155, AA130615, AW277116, BE645844, AA912073, BF184415, AA856876, AA478103, AW276117, AL527098, F25881, BG117430, AA065190, BG028557, H49982, BE005862, AA187382, AW270600, F24478, BE792009, AA076185, BF091615, AW371216, AA725739, AA878729, N30376, AA365073, AA602423, BF091064, F24829, AA484666, BE870423, AA885827, AA745043, BF091625, AA156093, BE044822, BF375830, AA398035, F27966, F34663, AA861214, AA085547, AA371299, AA992886,

					AA729149, AA125927, R21220, AI309129, BF083672, F28738, AII94071, AA385118, AA522760, H50024, BE938043, F34023, AA075894, BF957591, F27814, AA300065, F22266, BF08891, AW878387, AA928593, BG116587, AA366973, T64054, BF733185, AI468223, AA037795, AA988828, AI201346, F18153, T85727, BE925026, BF733197, AI424577, AA679881, AW191609, BF773420, F01150, AA181512, BE710233, AI201340, AA368477, AA070952, F34662, BF591747, AA341039, AA437360, AI659806, R21219, AI630052, AI906509, AF044956, AF067168, AX015054, AK026538, AF261090, AX014836, AC008085, S82655, AB000618, Y16001, T90822, H44903, R97009, N91532, AA197104, AA213438, AA427624, AA541521, F16918, AA953278, AA447037, AA476302, AA481825, AA433825, F00472, and AW271394.
HFPCK56	177	981812	1 - 1934	15 - 1948	BE739833, AV751551, BE539375, BE879961, BE619356, AA012925, AI690904, AA418407, AW028084, BF061035, AI949671, BE219361, AA449061, AI955218, AA772167, AW771435, AI305287, BG056669, BG122658, AI039957, AI796800, AI421026, AW952787, AI689738, BE857334, BE797251, AW373177, AA037175, AI680796, BF001323, AI360089, BE440106, BF438532, AI568970, BF223290, AW299760, AI948837, AA418504, AA410416, AA976077, AI925315, N56916, AI744545, AII86166, BF344446, BE545371, AI801467, AI560863, AI307790, AI620925, AI685502, AA931566, AW589991, AW373172, AI094972, H22670, N44951, AW026324, AA772572, AI049895, AA449773, BE876258, N39575, W27237, BE878083, N33168, AA469378, AW028003, AA402063, AI276817, AW803238, AA351859, AA861181, AA938412, AW079992, AI311559, BF907727, H96974, AI888644, AA151221, AA351860, AW139343, AW130580, W32509, AA937530, H22687, AI813495, AA410273, AA993422, AA687549, BF941191, AII43750, W27206, AW373182, AA340324, AA044269, AI860157, AA151220, AI370443, R48542, R53630, H14486, AI271975, AII40110, AW593928, R12193, AW275061, W93548, AA321771, AI611136, W32606, T66931, BF941785, AA758353, AI581671, R48627, AA398924, AA349145, AW138501, BF527602, R96451, AW515323, AI674456, N59828, AI918973, R96452, AA991280, AI985395, AI687472, AI268792, AA338948, BF747204, AI280425, AI370507, AA991278, H27505, AA142905, R12929, AA410417, AI284737, T83253, W27541, AA364215, BE719110, AI880036, R62328, R51963, H27578, T66932, AI961564, D54538, AA847693, AA338947, BE538557, T49336, AI360057, BE939130, AI351186, BF818515, H04226, AA044169, H02921, AA026556, AA069380, AW138557, R62327, AW118418, AII98091, W96350, AI424187, R39917, AI868856, T10481, BE964453, BF507638, AA847337, BF735896, N72776, T90723, AI873143, AI682149, AI419753, AI472343, AI394598, AA436364, AA652885, T49337, BE002485, N46721, BE620017, BE622776, AI35238, AI810464, AI927142, AA069327, BE787445, AI078649, BF987031, T11055, AI564318, AX015375, AL162074, AB042237, and AF099664.
HAOSJ58	178	981859	1 - 1131	15 - 1145	AL515972, AW029556, AA004208, BE883613, AW015902, BF802700, BF666138, AI917287,

					AU149521, AA007410, BF791634, AA251650, AV716889, AU153411, AU151309, BF795834, AW474709, AW967661, AI247962, W58247, AI241375, AW594337, AA251538, AI492247, AI598036, N72095, W58248, AA603659, BF804913, AI431332, AA424023, AV744248, AI656462, AA664303, AW590631, AW592235, N23125, BG115061, AW105622, BF056545, AI913221, BG180121, AA886810, AA679595, AI373555, AU149339, AI380841, AW129016, Z39592, W02366, AA189143, AA777004, F02874, BE926666, AW731774, AA768164, BG127759, BE501179, N73304, BE926735, AI521225, BF737731, AA394252, AA424100, AI963833, AI282264, BG259121, AI476066, AK000638, AK024266, AF071592, AF277375, AF241316, AF179308, AJ271784, AK022717, and AI133073.
HOPJT48	179	981862	1 - 336	15 - 350	F20667, AL514627, AL036146, AL513553, AL513597, AL513907, AL514919, AL513999, AL513631, AL514015, AL513911, AL513911, AL514791, AV755668, AL514691, AL513977, BE965014, AI475817, AL513951, AL515191, AI469532, AL514087, AL513693, AL514867, AW085799, AI349772, AW074869, BE887488, BG109270, AL513713, BF793187, AL514063, AI500077, AL119748, AL514473, AI696846, AL514983, AI567632, BG112879, AL043326, AI702406, BE047952, BF793324, AI888953, BG110241, BG036846, AL515413, AW071349, AW071417, BF970446, AI537303, AV681618, AI349645, AL040243, BF817926, AI432969, AI800453, AI800433, BF882343, BG058398, BG179993, AW169653, AV682222, AV681630, AI521012, AV682252, BE969709, BG257535, AW169671, AW827249, BF883916, AI340582, AW301409, BG110684, BG260037, BG180996, AL045500, BE965891, AL513577, AL047763, BF816811, AW274192, AI620284, AI758437, BF812933, BG058208, BE048071, AI637584, AI349004, AI536685, AI568870, AI499463, AI249257, AI250293, BF970162, BF724691, AV756150, AL121365, AI702433, AI433157, AI224992, BE018334, AI580190, AI590128, AI868831, AW103371, BF792469, AW104724, AI682841, AW087445, BE781369, AI633419, AI538716, BE966388, AI498579, BF039003, AI866002, AI802542, AI433976, AV756328, AV729890, BF795712, AV709517, AI445025, AI564719, BF971016, AI349933, BG031815, AW238730, BE964812, BE964741, AI348897, BG168696, AV717299, AI697137, BG178488, AI497733, AW999049, AL036802, AW026882, AL044207, BG110517, BE964700, AI866608, AW162071, AI281773, BF812961, BF527014, AI539771, AI036396, AL036403, BE048081, AL135661, AI281779, AI570384, AI857296, AV757737, AI678302, BG151247, AW813006, AI269696, BF817392, BF343172, AV711924, AW148320, BF340031, AI275175, AI281762, AV756703, AL047041, AL041772, BE963035, AI064830, AW074993, AI567351, AL038605, AI349614, BG164371, BF726322, BG032208, AW089572, BG260881, AL038778, AW268253, AI282281, AI312152, AW075351, AV758209, AI345735, AI610645, BE047852, AL514097, AA640779, BE876033, AI349937, BEI72767, AA613907, AI619502, AI500659, BE964876, AV682266, BG252929, AV681759, AV655645, BE877769, AL515019, AI636445, AI340519, BE904178, BF885675, AI620868, AV148716, AV756342, AL514793, AI273142, BE965556, AI818683, BG178809, BG035511, AW148716,

AI580984, AV757865, BG250190, AV710479, BG259801, AL047042, AI754897, BF793644, BF107577, AI569616, BG114104, BE967104, AV758668, BG180034, AV757362, BF812438, AL514025, BG029399, AI524671, AL515041, AV682567, AV703695, BG179633, BG113662, AL119791, AI597750, AI572787, AL161802, I48979, AF116631, I89947, AF116646, AF116602, AF097996, AF090901, AB047615, AL117457, AR079032, AF078844, I89931, AL050116, I48978, AF116691, S78214, AF118064, AF130105, AF116644, AL442082, AF116639, AF090943, X84990, AF017152, AF138861, S68736, AF130082, AL050393, AR059958, AL110221, AF113676, A93016, AF118070, AL133640, AF090903, AL157431, AF090900, AF090934, AL050146, AF106862, AF104032, AX046603, AB048964, AF113691, AF218014, AF130059, AF090896, AF130075, AB049758, AF111847, AF119878, AK025339, AL138755, AL050108, A08916, AL133606, AL359596, AL049452, AL080060, AB048953, AF113013, AB041801, AK025084, AK026865, AF113694, AF113690, Y11587, AK026741, AL390167, AL133016, AF113689, AL389978, AF130092, AF130104, AL137527, AL162083, AF116688, AL110196, AK000212, AL359601, AL050149, L31396, L31397, AL117460, AL080137, U42766, AX019230, AJ242859, AL133075, AL159988, AF125949, AL442072, AF113677, Y16645, AL049938, AL122050, AL162006, AB019565, AK026608, A08913, AK026045, AL096744, AF113019, AL049466, AX019229, AF119875, AR011880, AK026855, AL049314, AK025958, AL080124, AF079765, AL133557, AF146568, AL133080, E07108, AK025772, AF125948, AL359618, AF111899, AF119909, AF177401, AL122121, AK026542, AL117394, AF219137, AL122093, AL122123, AJ238278, AC027121, X63574, AL133093, AJ000937, AL137557, AL133565, AK026647, AL137459, AK000618, U91329, E03348, AK026583, AL117583, AK026784, AF116649, AX006092, AF158248, AK025092, AB052191, AR087170, AK027096, AF113699, AK026744, AL389982, Y11254, AL359615, AL359941, AK000137, AK026592, AL050277, AL133560, AF314091, X82434, AF207829, AF111851, AF091084, AK000083, AK027113, AL137550, AF017437, AK024538, E07361, A65341, AK000445, AK026959, AK026528, AL353940, and AK026528.	15 - 1235	1 - 1221	981914	180
BG033901, BG252785, BE543055, AV722449, AV702154, AA628439, BF668342, BF692352, AI768330, BE894056, AI743632, AV694035, BF437204, BE856844, AW304160, AI337885, AI924514, AA837493, AA426551, AI745073, AI963737, AW821215, BG058671, BF509387, AI242029, BE503709, AI942469, AA160524, AI160326, AV725848, AI912616, AA890454, W95882, AA824442, AW518009, AI701598, AI273641, N93250, AA287410, AA418905, AW449609, AA160567, AA703542, BE671219, BG105483, AA779451, AA111935, BE669882, N32408, AI332415, W17057, W25108, AA810170, AI382034, AI499772, AI589724, AI720736, N56828, AI123003, W95918, AW022386, AA083712, AI808404, AA777136, AI806090, AW965046, BG105254, N89643, AI467879, AI247254, AI784644, AA725064, AA343169, AA569724, AA694506, AI698201, BE542567, AI244592, BF218794, AA287358, D80112, AW973029, AI206216, AW965048, AW889223, BE843684, BE843522,				HCFAV61

	181	981956	1 - 934	15 - 948	and AK000541.
HPDWN44					BE742303, BE741533, BE746369, AI633237, BE563341, BE563526, BE612816, BF035914, BE880068, BE563212, BF665918, BE880096, BF970136, BE880701, AL529261, BF037170, BE315481, BF316680, AI017752, BE896668, AA431844, AA628903, BE880590, AV710748, AI525834, AV716869, AV733974, BE567737, BF674943, AV713981, AI979057, BF698464, AL529260, AW514732, BF033091, BF674985, AV711087, AV716715, BF540803, BF675525, AV713390, AI935983, BF679768, AA075421, BE613381, AA156298, BF673731, AW088688, BE389957, AV735167, BE389745, AA187073, AW474971, AV740643, BF691116, AI133571, BF195619, AI684301, BF677505, AL525452, BE042822, BE709657, AW936512, AW474519, AA992934, AW189041, BE042854, AI984117, BE276272, BE393478, AW474473, BE388363, AW131622, AV734097, AW196629, AI913944, AA427596, AA187024, N30130, BF217503, D82271, AI191868, BG235916, N39749, AI923021, BG112356, AV713265, AA075422, BG259987, AW404378, BE813241, BE813177, AW149049, AW369486, AV726476, AW369495, AA442647, AA669065, AI367852, AI633284, AU132643, AA081139, AI554354, AW951432, AI560878, N25849, AI416993, BE176663, AW074176, AA446705, AA496549, AW512858, BF094963, AW991489, AW991644, BE813140, AA315748, AA878888, N23559, W19707, AA729416, AA621292, BE567961, N36654, AA069715, BE568443, AA493626, AA069692, AW938005, AI187152, BF732743, BE176346, AI185034, AW166402, AA593797, AW385485, AA186648, AW021630, AA437347, AI221791, AA630449, AW937966, AA081278, BE122891, AA436888, BG167398, AA156984, AI312688, BE875189, AA316034, AA316517, AA479768, AA181039, AV733234, W52260, BE176396, BG012035, AV750759, AW264168, N24368, AA631420, AI923459, AW363902, AV703750, AI198050, R98410, BE179786, N59644, AW069390, AL047606, N44880, AI686995, AI090375, AL525651, AW796539, AV654997, AA187522, AA229717, AA429684, H16005, AW994708, N35742, AA628994, AA630441, AA977956, AW798571, AA847636, AI074223, AI034134, AA583504, AA782407, AI291901, BE710000, AV711820, N77857, AA993826, BE536583, AI568185, AI434356, AA169685, H53260, W05819, AI367001, AA757584, AA156678, AA317301, AW582891, N42163, AW378113, AA230074, AA335935, AV651342, AI719389, AV712994, AW378105, BE716145, AA335859, BE707628, AW378118, AA281403, AI312689, AA581804, AA432128, AA335879, AA890245, N35687, AI674105, T50033, AI085540, BE697023, C17051, AA384518, AW378101, T93581, AA912450, AA361889, BE840484, BE169354, BE707639, AA446578, N44791, AI687083, H85400, AA923554, BF091266, BE840494, T86063, AA641500, R66319, AC005479, X67698, U25748, A18921, X78134, S77411, X85799, AL133076, AL122101, AL133655, AL133020, AL133053, AL133074, AL133049, AX040958, AX041002, AX040974, U30290, E13998, AR015970, M37278, AX030435, AX015526, AF126531, Z69719, AF002985, AR055519, AR034821, S56141, T92154, T93222, T94671, T89488, T89660, T83699, T85048, R01007, R25764, R33756, R39758, R62496, R68141,

HOVJY54	182	982032	1 - 1118	15 - 1132	R74261, H15768, H42468, H42681, H43449, H60096, H69969, H71589, H85394, H98245, N28549, N40132, N40844, N54906, N78197, N99645, W32944, W38819, W46910, W56106, AA025797, AA031691, AA035536, AA130026, AA149910, AA157483, AA281356, AA532481, AA603556, AA610276, AA617732, AA627954, AA837359, N85557, AA431114, AA708116, AA725139, AA845939, T11351, AI244072, AI308158, AI220771, AI632782, AI859690, AI811046, AI950900, AW025993, and AW055299.
					AL536886, AL519771, BE903122, BE906714, BF981167, AL529998, BF980868, BG110444, BE906350, BG026745, BE733132, BG118469, BE908645, BE281012, BF527761, AL529999, BF204049, BF527895, BF338699, BF527959, BE896386, BF346362, BG179270, AW373882, BG121683, BE902906, BF339518, BF528481, BE795781, BE797253, BE264544, BE793598, BE799039, BE395716, BE904642, BE798297, BF129057, BE909217, BE797464, BE791245, BE798589, BF317485, AW577397, BE259895, BF337918, BE798842, AI366141, BF345330, BE793570, BE254266, BF689031, BE387799, W48799, AW249723, BE736728, AA121648, BF915406, W79098, BF058087, BF434845, BE266716, AW245243, BE275433, AW965510, AI420864, BE501218, AW958156, N30494, AW166500, BE274757, BE562577, AA523509, W74502, AI421445, BE274734, BE542936, AA309806, AA602391, AA947286, BG056181, AW148931, BF827786, C14268, N99361, AI367349, BE266342, N59225, AA335673, AW518636, BF750898, AL120945, AW137008, AI936982, AI916893, AA335414, AA336127, BF338054, AI769470, AI337000, AW206563, W31030, AI419527, AA371822, AW006577, N98776, AA335239, N76692, BE645990, C14269, AI572122, AI368200, AA641497, AI634762, BE150214, AI684498, AA827390, AI217398, BE150209, W49625, AI081813, AW206959, AW607363, BE743774, AA725340, AA079566, AI672387, N34422, AI766926, AA478173, N48657, T11147, AI365401, BF221855, AI950175, AI813446, BE466923, AI382536, AI382559, AA659150, AI420810, AW900866, AA357437, AI565511, AA478017, AI800023, BE673470, AW615779, AA773507, AI362447, AI242987, AW183593, BE673583, AI399691, AI738446, AI243140, AI659508, H16643, BF438348, AI651868, AI805041, AI568339, AI823968, AW451053, AW137813, AI927588, AA631086, AI699620, AA077819, and L07392.
HLDOG74	183	982042	1 - 870	15 - 884	BE741661, BE733571, BF685462, BF984053, BE745150, AV686105, BE792465, BE901550, BE515104, BE884515, BG033955, AI052336, BE312803, BG178966, BF794342, BG036584, BE544000, BE746597, BF337890, BF038967, BE264172, AI831045, BE874094, BE910663, BE733667, BE264374, AW170205, BE544180, BF127998, AI309846, BE539160, AW160727, BE787749, BE787345, BE271779, BF667331, BG257671, AW157143, AW440255, BF205294, BF183127, AW583332, BE784901, BF671774, BF115955, AI857442, AW583701, AI560800, AA582176, BF244048, AI824142, AA485962, AW025617, AW516053, BF204148, AW439339, BE786757, BF667242, BE278628, BF130358, BF030011, AA854126, BF219377, BE271039, BE855730, AW513598, BE297318, BE297410, AW439387, AW162229, BE297859,

| HE8MM52 | 184 | 982197 | 1 - 2789 | 15 - 2803 | BE280579, BF979190, BF245667, AW118054, AA635192, AW169142, AW674748, BF692567, BE281362, BE019807, AA551363, AI446101, AA617816, AA661621, AW950636, AW515901, AW166234, AW516869, AW173721, AA147816, BF213463, AI624267, BF668293, AA843831, AA491461, BE281598, AA046960, AW080229, BE207118, BE383593, BE269269, BE301062, AA284529, BF033039, AA147964, AA779189, AA886801, AU151184, BE541264, AW905878, AA709317, BF185131, T27878, AA489885, AA046940, AI200718, BE501607, AA977837, AA287072, BE295551, AA308390, AW163112, BF687680, AW675350, AA917888, AA315960, AI149590, AA599391, BF697377, BF218545, AA662287, AA009788, AI929782, AV744141, AA676677, AA314717, AA961410, AI878965, AA281634, AI688201, BF698890, AA954211, AI362751, AA929069, BF196313, AI193083, BE207789, AV736143, AI083792, AA772752, AA659107, AA983589, AV742172, AI138509, BF184787, AI040249, AW732855, AI191696, N92863, AI151496, AA687717, AI299551, AA070097, AA857870, AA503718, AV735528, AA190930, BF090320, AW058118, BE206366, AA070618, AA503128, AW407757, AA047377, AV743448, BF916297, AA128677, AI056932, AA503135, AA503108, AI393887, N74980, AA773467, AA855028, AA493807, AA650564, AA559223, AA190701, R99319, AA483970, BF229552, AV742823, AA658476, AV741392, AA307151, AI826883, F36699, AA489572, W32721, AI143806, AA190460, AA812381, BF104071, T79922, AA281695, AI194047, AA502951, AA676762, F29670, F36691, AI634447, AW0057335, AI272958, R57018, W20469, AA191403, BG119796, AI274572, AA191288, AV739957, AI272958, R57018, W20469, AA191403, BG119796, AI274572, AA191288, AA740554, F26383, AA009897, R99413, R05797, AI748989, AA595773, AA282515, BF753031, F26620, F01244, AA128767, AA320093, AA343244, BF035539, R32398, AA374363, AI611288, AA374425, BF360820, AW473036, R32399, D29012, X61971, D10754, U13393, U13394, E05950, AL050277, AL135933, AF031147, AL357195, AB028451, X63574, AF119336, AF213396, U91329, A59344, AK025015, AF260566, AK027221, AL133640, U49434, AC020910, AY004290, AF070632, AL050129, AX014095, AL353999, AK026613, AL359620, Y08864, AL137478, AK000432, AK026164, AL137665, AF116610, AL133624, AF126488, AL096744, AL133608, AF019298, AR038854, AL117644, Z98036, AL157433, U77594, AL137526, AL110197, AF205861, A12297, AL133623, AC009364, AC018643, S77771, AB044545, AC004227, AF003737, AK026647, AL133081, E12579, AK026659, AK025431, U87620, AK025761, X97332, AK000614, E12580, AX015416, AK024978, AL133112, AC018639, X53777, AF225424, AL161953, AK000212, AF130110, E01614, E13364, AF057300, AF057299, AC025226, AC007869, AB049892, A57389, AK026480, AK026518, T57661, T59327, T87448, R25859, R26674, H03115, W05680, W25589, AA025424, AA055954, AA057036, AA190760, AA910572, C00011, AA092293, AA093654, AA652601, L31986, AI559731, AI825361, AI885878, and AW024506. AV651781, AW965446, AI623305, BG105418, AV695144, AW500557, AI962601, AI816919, |

					Accession numbers
					AI809660, BG180470, BF238787, BE958617, AI453203, AI686764, AI051938, AW008755, AI671303, AV696246, BF574073, AI624404, AA599814, AI862650, AV752796, AW088764, N49595, AI373326, N46907, AA630029, AI076703, R52979, AA682606, N66860, AW504901, AI637810, AI804504, AA635074, AI216350, AA761707, AW975470, R61617, BE144059, H04056, R13437, AV655299, AA806300, AI565337, AV690970, AV683075, AV661993, F05802, F05782, AA688425, BE093642, T68530, R60949, BF216998, T98033, N93069, AA332693, T98114, BE969752, AI377881, AI927670, W24722, AI767039, F08707, AV682040, AV681756, AV724929, AL119139, AV661953, AW805670, AI670931, AW276928, AI913173, AC026439, and F08205.
HJBCC19	185	982465	1 - 1554	15 - 1568	AL529581, BF793008, AW968792, AW958616, AI005133, Z78392, AW665074, AW572797, BE910519, AA311683, AA227581, AI961773, BF311030, AL529580, AA490975, AA580009, BE857081, H15751, W88486, BE011902, BE011961, AI669828, AA378108, AA203400, AA215739, AW297449, BF512524, N34147, and AK000516.
HODAA93	186	982618	1 - 1010	15 - 1024	AU134734, AI921858, BG035733, AW503819, AW502845, AW393515, BE463976, BF085697, AW590049, AW025827, BF927064, M78377, AU135081, AW503556, AW999737, AF002223, U58032, AK001816, AJ224979, AF057354, AF073997, AF125314, and AK023451.
HSPSI74	187	982764	1 - 1578	15 - 1592	AU118627, BE614379, BG109394, AI051622, BG035128, BE745111, BE747176, AU133917, AA977180, AI828930, AU133984, BE907963, AI928364, AI189753, BE621857, BE904639, BE907348, BE788794, BE788963, AI819390, AI445461, BG167065, BE790436, BG119322, AI453743, BE619041, BE621186, BE620997, BE439796, AI983655, BE908365, AI685095, BE908977, BE884393, BE613669, BE789335, BE879041, AU135866, AI633575, BF037650, BE910282, BE906666, AI564644, BE547180, BG122252, BE737005, AI925607, BE905184, BE785244, BF036140, BE617891, BE906281, AW071625, AI591358, BE906618, AI720939, AI804422, AW080238, AI250777, AI678712, AW338147, BE392486, BE881236, AI865838, AI963432, BE874626, AW192593, BF126211, BE897209, BE974032, AW383999, BE548372, AW510672, BE546656, BG113740, BF105867, AI262930, AW372926, BF037109, AU137549, BE904461, AI694111, BE548097, BE785027, AI346835, BE877056, AI927769, AA292956, AW629505, AW262737, BE879732, AI161312, BF791201, BE044033, BF790033, BG165112, AI696905, AW513200, AW008570, AW651691, AI871950, BG122807, AI377596, BF674901, AA083510, AI597801, BF691383, BE617437, AW629109, AI093510, BF132064, BF382972, BF222820, BE543834, BF184069, BF573710, AI240988, BE867124, BF690916, BF195127, BF593608, BF182976, BF184281, BE905927, BE501957, BE880450, AI911921, BF106087, AI424384, AI591386, BF215412, AW820297, BF131142, BF247995, AV726627, BF102675, AA479712, BF818868, AA877242, AA706057, AA315188, AW961686, AI148698, AI677934, BE564028, AV732963, BF978564, BG169978, AW583735, AA948565, W52095, BE619741, BE961220, BF031297, AV654555, AA524526, BF687984, BE385852, BF102872, BF246934, AA088439, BF979244, AA843108, AI248307, BE156265, AW015724, AW572531, BF690647,

1835

BF670998, AA889018, BG118773, BF687915, AA479834, AA626058, BF571504, AI285092, AI591384, W25540, AW205937, BE349186, C17732, AW959385, BE971477, AI027865, AA733014, AI955858, BF572812, AI492554, AA844898, AA452515, BF244568, AA453027, BE219784, BF126097, AI671727, BF184176, BF247378, AW779725, AA129575, AA903050, AI567995, AA404570, AI470033, BF576011, C17963, BE825569, AA088544, BE543766, AA662517, AA699452, AA723200, AA043217, AI075878, BE961124, BF057147, BF676177, AA147228, W52847, AI990245, BF673172, BE963891, AW673152, W38161, AA627686, BF575906, AA113196, BE182595, AI799814, AI333170, T66110, AI972739, AA190873, AI859160, AI446615, W45410, BE182608, BE619182, AI990827, BE327120, AA182640, BF678404, AI298935, AW085158, AW471421, BF243031, BF570900, AA682601, AW103470, AI242230, BE044134, I34297, U34276, AK023364, D16854, X75684, D86467, T55840, T65026, T85378, T97664, R21752, R21800, R38028, R38114, R79190, R79933, H27252, H28594, H38179, H52504, H61762, H64985, H64984, H80983, H64985, W19298, W60075, W73887, AA010631, AA011222, AA035067, AA035576, AA037696, AA037722, AA043216, AA085492, AA129574, AA136658, AA148284, AA155661, AA157944, AA190427, AA190472, AA190966, AA191414, AA192519, AA250778, AA502832, AA581093, AA603586, AA837326, AA962397, AA988297, W60032, C05782, C06111, C06123, C06365, C17476, C17504, C16377, C18304, AA649494, AA291465, AA411100, AA421678, D11921, AA478271, AA478328, AA487893, AA486595, AA719173, AA722206, AA724739, AA757735, AA989662, AI032569, AI061065, T10930, Z25898, Z28771, AA953883, F09579, AI244845, AI245632, AI245632, AI246953, AI249545, AI251817, AI254320, AI261359, AI270788, AI270830, AI275372, AI306933, AI309876, AI334860, AI340796, AI348877, AI363829, AI453453, AI446740, AI432033, AI472527, AI468237, AI500576, AI565439, AI582462, AI224222, AI189366, AI650338, AI349390, AI589264, AI621320, AI686240, AI692846, AI693030, AI738844, AI745717, AI769516, AI798415, AI798502, AI800106, AI823466, AI865912, AI872628, AI918453, AI918523, AI950693, AI927217, AI972899, AI985583, AW016166, AW088968, AW197954, AW242958, AW275048, AW191997, AW194272, and AW300456.				
			15 - 3642	
			1 - 3628	
			983008	
			188	
HCEHZ42	AL537881, AL517309, BE735051, BE901285, BE616892, BE735353, BE793731, BE733509, BE545486, AL517310, AI745249, BE734335, BF526598, BE779600, BE796507, BE798600, BE886723, BE617349, BE734009, BE280110, BE901683, BE276201, BE891303, BF342463, BE729254, BE910567, BE884594, BG255411, BE279129, BE888923, BG031148, BE537150, AA604400, BE734392, AW964738, BG255025, AW327313, BE616860, AW385802, BF108767, BE903733, BE349111, BE257437, BE328784, AW156910, BF060707, AW246117, BE263626, BE392648, AI620896, BE252755, AW732968, AA398262, AW778939, BE349863, BF436950, BF964072, BE799126, BE962236, BE781464, AA602489, AI566556, BF954806, AW249583, AI160402, AI809859, BF766680, H21144, H51462, BE616366, BG257069,			

					AI608637, W37225, AW103894, AA984583, AI860074, AI251822, BF964921, H50198, H50199, AI637978, AW236505, AI553932, AA308870, AI341897, W37565, AI571251, F26897, AA922512, H38486, F34532, BG152624, H09117, R24306, F02992, R44903, AI624869, H29803, H46459, H47000, BE277457, AI932959, AW244024, T23597, AI814804, AA707234, AW385702, F13335, AI702387, BE834031, H44917, R40088, AI003681, AA548650, T78815, AA523188, F04394, T40327, AI363841, Z43697, BE559682, H42170, AI678524, AW105674, BE747069, T41190, H51420, AI283350, BG014941, AA729769, H38475, AA889494, R12936, H09467, AI277180, C02213, H38470, AW844667, F13332, AA779046, AL537882, BE302833, BF764692, BG112124, H21101, BF333843, AI653323, BF949218, AA399433, H42992, BE172552, BF766013, BF948977, BE939200, AI955921, AF062360, BF514170, BE771818, I76198, AI238509, AK026112, AI671155, and AW003308.
HDPVU15	189	983592	1 - 1393	15 - 1407	AL526272, AL525155, AL522999, BF966555, AL526230, AL523065, AI608975, AL525156, AI356555, BE738267, AL522957, BF940042, AU132734, BG036876, BF207755, BE866533, BE999964, BF216980, BE567528, BF210168, AW006213, AA506981, BE748710, BF238741, BE565646, BE567849, BF028372, AI097642, BE671753, BF669347, AA481159, AI365242, BE263776, AW613149, BF207815, BF062845, BF207601, BF184549, BF029492, BE748034, AA600213, AA570018, BF677978, AI380165, AW474849, BF029410, BF212774, AW327326, BF242826, BE782106, AII89808, BF673083, BE958173, BF691558, AW327647, BF242098, W40404, BF183977, BE566862, AA521171, AI824172, BF701792, BE564186, BE737955, AI630337, AI276975, BE762520, BF183896, BE865656, AI078467, AA706141, AL047101, BE502602, BF207203, F08084, BF241687, BF246011, AI638395, AW947427, AW236896, AI076444, BF575292, W92066, AI370021, H54752, AW083735, AA308891, AA971116, AW952287, BF745131, BE563907, BF907533, R93244, BF431085, AA834180, AI220183, BF754428, F04320, BE566548, BF381304, AW750302, AA193557, BE075259, AW378464, AA847005, BF213891, AV688842, H54751, N93924, AV687331, BF745923, BF798270, BF214281, AA290913, BF209678, BF381625, AW606584, AW384533, AV699554, AA301337, AL042687, AA569904, AII89079, R57070, N85824, AA828789, AW979044, W92049, and M87339.
HT5GC28	190	984008	1 - 409	15 - 423	AW629796, BE907694, AI879258, BF125522, BG165445, AI991040, BE265179, AA306760, BE386666, BG033049, BF569429, BE616679, BE961094, AV752683, AA554831, AI904451, BF345953, AI563938, AA421977, AI908006, AA310481, C04874, AA325475, AA641261, C04859, BE298529, AI627256, BE876461, BE907784, C03419, AW085607, AI879639, AI907999, AI828997, AW800145, AA702425, AW834911, AW996129, AI348015, AA331368, AV726768, AA633265, AI078778, BE965867, AA477052, BF128018, BE698358, AI246215, AV704488, BE905105, AI356116, BF981367, AC009470, AX011754, X96506, and U41843.
HDABW50	191	984168	1 - 510	15 - 524	AW160956, BG112870, AA181146, AL533095, BE299316, BF206076, AL518638, BG025731,

HAQBH11	192	985043	1 - 1283	15 - 1297	BG027680, BE019254, BF797145, AW160779, AV701299, AL533158, BE254796, BF128863, BE267759, BE618134, BE397759, BF183232, BG034440, BF982019, BG251910, BF797411, AA306380, BE898025, BE897092, BE304609, BE280212, AL533932, BE256616, BE888620, BE257413, BF972257, BF305365, BF303592, AV701256, BE777834, BE785075, AA361278, BE259295, BF033090, BE872617, AL536483, AA147916, BG032975, BG109112, BE616894, Z21306, BF062245, BG170907, BE466819, AU077114, BE542087, BF204786, AA295792, Z20331, AA311755, AA370388, AA381537, BF568489, BE799154, AC027269, X52882, D90344, M12899, A45915, D10606, S46763, M34665, D90345, AF143497, and AF143496. BG033206, BF342428, BE512834, AL048282, AI879320, BE856361, BF795509, AU151801, BG261226, BG034970, AA744603, AW665535, BE251894, BF109751, AI554548, AA582428, BG031393, AI741757, BE676082, AI879319, AA488479, AW248852, AW406490, BE256937, AL047958, AI004611, AA037421, AA774634, N93305, AA430402, AW249274, AI400297, AI811153, AV722095, AI741768, BF125670, AL047959, AI097609, AI348358, AI221281, AI929211, AI928959, BG059980, AA430649, AI189422, AA429252, N24950, AV763462, BF821350, W84606, W79170, AI807903, BE675976, AA156976, AA156806, AW957268, AL520686, AA918136, BE350569, AI436788, BE465495, AI914409, AA731701, AW007162, AI572971, AI127872, AI086033, AI304732, AI304534, AI304332, AI436606, AI148551, AI273244, W25157, AW732151, AI016547, AI334031, AW245121, AA195312, AA680089, AA706611, AA905742, AA857129, AI935026, W74366, AI475996, AI077774, AI858890, BE618488, AA613374, AI424179, AI572567, BE302299, N37064, AI469806, AA648333, AI310080, AA854601, AA922513, AW469487, AI276775, AW978876, AA904130, BE677872, AA703663, AI832558, AA195123, AW401707, AL520541, F20916, AI434634, AI167203, AA554680, AI015217, AA716603, AI919489, AI400655, AI369295, BF204499, AI096816, AW291743, AI708380, AW510583, AI073623, AI864517, BG235989, AW957984, BF432700, BG027523, AL048281, AI473968, AI142442, H21173, AA010920, AA628365, AA181912, AA680368, W68434, AA535548, AW193651, AA666297, AW970399, AI567256, N33827, AA723469, W88714, AI129518, W02166, AA927718, BF436216, AW129400, BE903621, BE894137, AI937756, BE255000, AI439069, AW085013, AL528761, AA291158, BE618888, AL520685, H21172, AA701980, W88713, AA745783, R60749, BF438994, BE379605, AI266717, AA021053, BF220074, AA352112, AW151019, BE618705, H62602, BG122824, AI985732, BE619838, AA576306, N41653, AA777363, AA329553, AI536627, BE619636, AA364327, BE619554, AA523080, AI968125, AI362972, R16958, W68552, AW082162, H77490, W60381, AW888780, AI239605, H00750, BE778855, BF002315, AI419366, F37003, AA281392, BE252322, R55029, BE539494, AI264447, F33844, BE622622, AV758923, AA927434, AI300497, H95107, H19581, AA995088, AV739146, AL522112, AI254228, AA909383, BE783148, BF964544, AI933194, BE619936, AW206638, BE386528, N67439, AA032085, AV738905, AA906240, W32502, BF664072, N80233, BG026963, BF943594,

					N88679, W38324, AV739446, BF943595, H77489, BE619403, BF797152, F13662, AV758240, T85967, AA356672, AA827089, AV738715, AA886406, W60290, BE880331, AI565666, AC004148, AF275902, L04636, M69039, X75913, AR001488, AF238300, AJ001101, AJ001102, T75519, T79324, T97266, R00559, R43811, H19498, W35357, W84587, AA195016, AA256539, AA429036, AA541335, AA886821, N46376, AA090596, AA096370, AA649533, AI350333, AI432739, AI701659, AI866522, AI874327, and AW272778.
HMVAW42	193	985280	1 - 1033	15 - 1047	BE882789, H18418, H18419, BF983783, T98073, BF799367, AK024419, AL049742, D86997, D88269, AC007050, AC002041, and AC007882.
HAGDF03	194	985323	1 - 886	15 - 900	BE743574, BE747360, BE735974, BF185217, BF034907, BF035464, BE735974, BE735948, BG177694, AA912117, AI809647, AA904850, BE715907, AW167552, AII46565, BE932773, AA074391, BE932728, AA905581, BF057950, AW197091, BF818794, AW582452, AW362760, AW362834, BE736338, X76029, AF203444, M94555, and AF222762.
HOPKI29	195	985401	1 - 656	15 - 670	AW967189, BF568535, BE876991, BE222939, AA504246, BG249370, BG255913, BF308620, AW328087, BF034851, AW328088, BE793300, BE905639, AI735694, AI095336, BE386578, AA614065, AA569837, AW196810, AA608885, AI653486, AA613913, AI924658, AA613925, AA554728, AI560961, AA719377, AA469078, AA830299, BF038609, AA203548, BG177899, AA614181, AI858312, AA552154, AI200336, AA885917, BE620103, AV754386, AI031613, BE784692, AA081285, AW166322, BE042784, BE791140, BE964673, AA911010, BE048169, BF568842, AA741206, AA081284, AII26452, AA155948, AII38974, AII39507, AA890569, AV751934, BF125381, AI371201, BF125620, AI205847, AA826559, BE714318, AV726932, AI355171, AI191488, AI311103, AA974366, AA632296, AI581287, W19605, BF125603, AI369911, AI052549, AI363011, AW192081, AA724119, AL110319, AA757027, AI492635, AI310711, W80967, AA828873, AA716667, N70808, W35100, AW190632, N93842, N94928, AW206213, AA804201, AW205535, BF222360, AA045330, W40298, AA186411, AA583415, AI299768, N94313, W47097, AI310460, AV739579, BG168459, AII85445, F21331, AA045388, AA602057, N69883, AW263722, AI874123, AA300062, AII33096, AA308875, BE766731, AA188134, W01415, AII92988, AI002735, AI863303, H73006, BE175080, AW603296, AW883548, AV742934, F00800, AI749433, F36662, W80968, F31017, AA303960, AA902606, AA657819, BF214015, AW883024, AA483632, F22498, BE694643, AW800284, BF820314, AA844336, BE702621, AI206672, R48509, AI445725, AI358193, BE646027, AA599755, BF752265, T90159, AV743096, T90057, F26867, AW882945, AW883656, AW375553, T35390, R35896, BF477469, BE085557, F29236, R48510, BF083095, R35895, N44815, N88653, F29357, AA193068, AW83822, N90560, N57064, D25765, AW059723, W20367, C20592, AW883811, AI253621, R29399, AA283439, BF213077, N64284, AW800074, AW882794, AI000414, AW883496, AW883108, AW883699, R57063, AI802283, N98855, AA155903, BE069170, AW385521, AW883325, AW364453, AI332761, AW820144, AW819764, AW819769, AW606771, BE766667, AW833216, AW819735.

AW883730, AW820090, AW882672, F37805, AW820056, AW935908, BE932900, BE160283,
AV756451, AW819987, AV758146, AV757205, AV757362, AV755651, AV756382,
AV757372, AV757816, AV757802, AV756662, AV757012, AV758504, AV758177,
AV756770, AV757984, AV755218, AV757963, AV755484, AV755973, BF869949,
AV758806, AV757827, AV756566, AV755595, AV755249, AV757996, AV757797,
AV755668, AV756122, AV757423, AV758615, AV756735, AV756992, AV758087,
AV755462, AV756036, AF070650, AF087135, AX011701, AF086159, AR012235, AC015550,
X06089, AB047941, AF078844, I48978, I89947, AK027146, A08913, AK026480, AX040974,
A08912, AL389935, A08916, A08910, AL162002, A08909, E02349, AL050116, AL389939,
AF090901, AL133606, AK000432, A08908, AL049466, U87620, U91329, AK024538,
AF028823, AK025906, AL137273, AL390154, AK027164, AR038854, AF113694, AF119860,
AL050393, AK026506, AL080158, AF116644, I89931, AF116676, AK025435, E06743,
U88966, AR087170, AK000250, AL049283, AF119859, AK027204, AF130110, U42766,
A18777, A76335, AF153205, AF119857, AL049464, I48979, AK026464, AB048975,
AL110280, AF113691, AK027082, AL359596, AK025349, A93350, AF017152, AF090903,
I09499, AX010492, AF321617, X83508, D83032, AF114784, AF314091, AF113677, Y11254,
AK026353, Y10936, AK026626, AF130105, AF218034, E07108, AF130099, AF262032,
AL133016, AF125948, AL359620, A93016, I00734, I89934, AF130104, AK027081,
AL110196, AK026583, X70685, Z72491, AK000618, AF111849, AK026630, E00617, E00717,
E00778, AK025484, AK000391, AK026649, AK025383, AL137429, AF111851, AK025084,
AK026434, AF111847, AF090896, AL050092, AK026600, AF116682, AB049848, AK026534,
AK026542, AR013797, AF090934, AL133080, AL049430, AK026642, AF225424, AK027173,
AK025375, AL117583, AF217987, AL137459, AK026784, AK025632, AF130082, Y07905,
AL133072, E01614, E13364, AR011880, A08911, AF113690, AL359622, AK027096,
AF218031, AK027121, AK026528, AF119909, AK026741, AK026797, AL133557, AL122100,
AK026452, AL050149, AJ003118, AL359615, AF177401, AL353940, AK000647, D16301,
AL117432, AF079765, AL122098, AF113013, I89944, AF116691, AK024524, AJ000937,
AF087943, AK026164, AK027193, AJ238278, AF026124, AB050431, AL117457, AR079032,
AK025708, AL080140, AF158248, A90832, U78525, AF208850, AF056191, AL133010,
AL110222, AB047904, AF175983, AK027105, AF090943, AK025967, AK025391, E05822,
AL389983, AB047623, AF166267, AF143723, AK026959, AL080074, AL110197, AK000285,
E08631, AF146568, AF208026, I68732, S76508, AK026744, Y13653, AK026865, AC006313,
AF091084, AL162083, AX005848, AX005804, AR072729, AK026950, AF116602, AK025524,
AL050108, AL133568, S79832, AL133113, AL137527, AL049347, AF022363, AJ012755,
AL133665, X81464, I41145, AF162270, AR020905, AL359941, AK024594, AL133067,
AF119894, AL122049, AF118094, AB048953, L13297, AF119878, AB050410, AB048913,
I33392, AJ299431, AL049382, AL137271, AK025414, and R50471.

196	HAJCA11	985580	1 - 1282	15 - 1296	AU132390, AU124559, BE900238, BE732404, AU129885, BE080187, BE926773, BG114544, AW500118, BE537542, AU131408, BE789187, BF922033, BE281277, BF089292, BF083954, BE731775, AU128452, AW875091, N87006, N86017, BE295990, AU133348, AW875092, BE207290, BG027252, BE085014, BF242268, AC006509, A58904, U54777, U73735, D89640, and D89646.
197	HWAHA11	986078	1 - 1131	15 - 1145	AL528672, AL528671, BE740519, BG179875, BE876837, BE409722, BF125146, BE384347, BE905434, AA480075, BE736786, BE386983, BE385086, AI708432, BE909934, AA777273, BF901579, AA455206, AA362335, AA969968, AA427548, BE275509, AW104489, AI799353, AA421632, AI078240, AA427707, AW955562, AA454864, AI310388, BE743523, AW170140, AW089692, AI129255, AA903911, AA362336, BF813903, R72751, R72760, AA554328, AA483784, R48745, AI197789, AA304308, AW591924, AA320293, AA491393, BF541788, AA360465, AW839762, BF818256, BE622335, AA143722, AW591933, BF927574, BE071386, BF754668, BE622797, BE071396, BE967257, BE243667, BE071302, D20583, BE729081, AX041029, and AF188504.
198	HSAMI43	986158	1 - 1595	15 - 1609	AU149573, BF034032, BE278549, BE731160, BF034631, AW236853, BF084841, AU126259, AI761782, AU151440, AU149075, BF699903, AU150909, BE542926, AL527731, BE539229, AI628901, AU150578, AU152956, AI354451, AW386462, AW386546, AW386459, AW386633, AW386541, AW386540, AW386674, AW172296, AW386290, AA496720, AL527730, AW386399, AW386293, AW386545, AW386675, AA827175, BF109445, AA766675, BF572742, BF700363, AW673859, AI039522, BF904724, AI954042, AW386400, BE538430, BE783497, BF361388, BE535955, AW386676, AA496777, AA332056, AW386463, AW401913, AU125409, BF349062, AW386593, AW386404, AU119856, AW794691, BF361390, AI630067, AW468663, AU126032, AW610565, AW605675, BE816416, AA969139, AA625769, AA948540, BE816439, AI829160, BE833448, AW386548, BE011481, BE011489, BE816391, BF767633, AI798526, BE816420, D59324, AW674070, C21288, AI254727, AI648699, AL040011, AI445620, AI927233, AL040241, AI887163, AW082532, AW051088, AI445256, AL043152, AI677797, AI445812, AI783792, BE393784, AL513729, BE964614, AW076124, AW088560, AI471429, BF921295, AW089275, AV721755, AI595075, AI972170, AL041150, AI368816, AI586931, BE883591, BE084795, AI630877, BG122101, BG251076, AI538885, AV733682, AI628284, BF965877, BE620438, AI758445, AL046944, AI249389, AI242246, AW163834, AL119791, AI357599, AW078767, AW827102, AI860830, AI886055, AI301710, AI963846, AW089405, AW149221, AI570966, AI571699, AI433611, AW025279, AI582240, AI500061, BG032919, AI453248, AI620639, AI434242, AV750565, AI917994, AA464646, F32537, AI886123, BG107844, AA838230, AI689614, AI812015, BF033757, BF793462, AI241741, BG109164, BG110577, AI439452, AI537677, AW172981, AI679550, AW104141, BF814449, AI929108, AI950877, AI682121, AI686589, AW166937, BE047691, AI818358, AI566430, AW079432, BE879108, AI184903, AV756794, AI623682,

AI537643, AI918408, AW078650, AW022636, BF792047, BF921291, AW168451, AI277008,
BG257656, BE875959, AI805688, AI758924, AI432570, AW168875, AI624304, AI270183,
AW087842, AW055252, AI799244, AW020425, AA835966, AI656270, AV713427, AI698391,
AA768046, AI924713, AI633061, AI816884, AW004886, AI669864, AL120676, AI345688,
AW263804, AI669603, AI889189, AA761323, AI799313, AI422855, BF793360, AI633125,
AW169132, AI365256, AW006109, AI915291, AW152182, BE965432, AI285439, AI590043,
AI491710, BF971203, AI583578, AW118448, AI863455, BF828245, AI473536, AI309306,
AI539153, AV734843, AL036705, AI537837, BF751299, AI683475, AW409775, AW088899,
AI884459, AI803935, AI345415, AW008434, AK023147, AK022512, AF235023, AJ237585,
AC005768, AL133031, X72889, X63162, Z97214, AL137548, S63521, AL117432, I89947,
AF008439, AF126488, AX020124, AL137550, X06146, AF217987, M92439, AF182215,
I30339, I30334, AF119358, AF217982, S77771, AR053103, X83544, AF047716, AL117435,
AJ250403, AK000652, AF116698, AR012379, A08910, E12747, AK027111, A08909,
AK024992, AR029490, AF069506, AL137554, AR034821, AL137476, AK027116, AF113690,
AL117626, AF287051, AK027136, AK026556, I48978, A65340, AK027103, AK000418,
Z72491, AL389935, AJ012755, AJ299431, AK026571, AR038854, AF126247, AF177336,
AF116609, AF218033, AJ238278, AL110221, AL110158, AF119856, AF130077, AL137527,
AL133067, AL049452, AB048974, AL080074, AC009484, I00734, A18777, AF116650,
AK025092, A08913, AK025541, AL133062, E00617, E00717, AR083283, AF130110,
AL137479, AL110280, I68732, X86693, AF038847, AK000655, AL117585, AL050116,
X59414, AK025484, U49434, AK026647, X63410, Y10655, AK025967, AK000074,
AB049880, AF116654, AL359601, AB052191, A27171, AF130104, I33392, X76228, L13297,
AL050277, AL050024, AF118090, AK025119, AK024747, AL110222, AL137292, AL035458,
AL133640, AK026749, AK024974, AF017790, X92070, A08912, U35846, AF104032, A08911,
A08907, I89931, AF116691, X82434, A86558, AB047248, AF130055, AL080159, AL122104,
AK000432, AF218014, AK025906, AK027217, AK027114, AF262032, I09499, AF102578,
AL133049, AL122121, AX019230, AR087170, AF271350, AF116688, A08908, S36676,
AL137478, AL137523, AF118092, Z82022, AB040710, AF185614, U96683, AL137533,
AL359620, AF002672, U91329, S76508, X72387, AK026408, AF119883, AF199027,
AK026533, E03348, AK025391, AK026528, E03349, AB050410, AB050510, AL359600,
AX045627, AK025407, AL137459, AK025431, AK000753, AF026008, AF188698, AB032264,
AX019229, AK026927, AB034701, I89934, AF042090, AL163282, AF116631, AK024570,
AF026816, S61953, S83456, AK024538, AK027081, AK026374, AL162008, X79812,
AB048888, Y11587, AX047644, AF065135, E03671, AL117587, X62580, AL353957,
AF110640, AK027164, AF130089, AF116602, AB033881, AL110225, AF208850, AF056191,
AL080129, AF230496, AK026600, AF169154, AF100931, AF130066, AF082526, X66862,
A07588, AF119899, AF119875, A76337, AF218005, AL137271, AK000247, I46765,

HNFJH73	199	986165	1 - 2951	15 - 2965	AB007812, AF026124, AK025113, S69407, AL133565, AL389982, A03736, and AF019298. AL135307, AV705200, BG113555, BE893152, AU140178, BE275933, BE894324, AI934515, AA716409, BF060791, BE299687, AI677871, AW954275, N29134, AI808415, AI621031, AA582436, AI923237, BG179963, AA700347, AA463830, AA825773, BE393064, BF219349, AU158345, AI831482, BE893515, AI829698, AI354807, AI041945, BE208699, AA831207, H14671, AA906989, AA460265, N29562, AA679105, H07010, N29294, AA664218, BF438401, N26851, N20226, N21171, R66676, AI147747, BE567629, R53048, AI969497, AA953469, AA976405, AW206458, AW373029, AW503770, BE407841, AA224344, BF111112, Z44255, AA878064, H54297, Z44642, BG006488, AA303163, H05459, N42173, AI206338, AA219130, AA503077, T29413, BE551030, AI805791, R53135, H54374, BF110041, AI970159, R67394, AA384950, R37379, H68011, R73097, AI081796, R68165, BE302777, AW411287, BG119446, AA918529, BE314959, BF988929, AA369756, AA295590, AI927476, R14630, Z39579, R73098, AA960999, H60931, BF212051, F01802, F03399, R13469, AI565718, BF976822, H10504, AA137020, AW590683, AI652433, F03681, BF571534, C15517, F05530, AA136924, AA369755, T49871, AA341117, H60845, W93139, AA010506, BF344411, H67688, AI253282, AI825058, T49872, AW798336, AI185461, AA026121, BF701801, AA026205, AA722157, H14581, AA301189, AW411286, BE220882, R52710, BF700338, AW084882, AA219513, AA932778, N39964, X96375, X76184, AY004174, AF075706, AF075708, E06025, E06024, D12765, U35622, U18018, X63190, AF095890, X96377, and X96376.
HNTCH03	200	986328	1 - 738	15 - 752	AI631653, AW514704, AI683239, AI762458, BE544805, AI952420, AI675981, AI926932, BE536677, H48459, AA780363, R99152, AI049877, AA626759, AL031672, D80008, AP001712, AP000466, AL009051, AC005156, AC006006, AC002115, AC008745, AL121825, U91323, AC025030, AL133244, AL161938, AC007883, AP001630, AC016612, AP001748, AC005531, AC004386, AC002418, AL031597, AC005840, AL159970, AC008747, AL080242, AC002978, and AL031651.
HSUAA20	201	986744	1 - 2257	15 - 2271	AU125631, AU122638, AU124434, AU119564, AL521525, BG108961, AL523942, BG035161, BG251944, BG036436, BF796027, AW853573, BE898956, BG256538, BG119012, BF971387, BF038129, BF665538, BE178302, AI589375, BE292972, BE897915, AW853577, BF983057, BE178464, AI720743, BE743787, BF698180, AA576889, BF344035, BE074977, BG120570, BE074978, BE542431, AU125797, BE074983, BE074984, BF028723, AW664254, AI924017, AA622618, BF699259, AW853635, BF751549, BF664182, BE927448, AV734594, AA780625, BE764622, AW602743, AI632995, AW602746, AI831228, AA127994, AA632633, BG029093, AA741398, BF082772, AI571048, AW517313, AA460805, AW513297, W80991, BG029093, AA652978, AI672687, AI190250, AI678469, AA845782, AI984475, BF432650, AA652978, AI936315, BF334264, AI075287, BE932015, AL523941, AI597847, W81093,

Gene	SEQ ID NO	Clone			Accession Numbers
					AW104773, BG056516, BF740090, BE251299, BF919259, BE773964, AU128580, AI884832, BE932029, BE171973, AI523288, N70538, AW886360, N69034, BF361037, AW071518, AL121348, BF945741, AW801680, BE927444, AA143051, AW801696, W68118, AL120946, BF904452, BF955068, AA807897, BE245676, BE086998, AA765885, AA535606, BE927436, BE778072, BF093541, AA076360, BF373538, W67691, AA663749, AI052509, W27647, AA143250, W00664, BG108992, H83325, AA676456, N93793, BF839013, W05851, AW651747, BF349236, AL521526, AW853630, AA177087, F06727, BF093544, BF229679, AI174288, BE773961, Z39753, AW351657, AI907303, W04331, BF760988, N95782, BF088904, AI253764, BE940308, AW801632, AW021876, AW799691, T79592, BE773988, BE773978, W28688, N67074, AA627487, N92965, C00490, BE773999, AI557470, BF740748, BF743310, T79674, T80951, AA629900, AI695168, AW009552, BE773994, W24896, T87240, BE816249, BE259711, AA368874, AA248274, H56269, AA908719, BF088933, AW403744, BE773973, T29748, W21422, BE927447, AW407237, AW075348, T05740, T24051, T87157, AW361232, AA056364, N74166, BE773977, BF356669, BE175576, BE773987, BE773997, BE773995, W68233, BF088932, AW853634, AA991598, H04126, AU127165, BF740840, BF364217, BE773947, BE177132, N84336, AW753242, BF832460, BE773984, BE810833, BF945806, BE841985, BE696002, T25762, BE931899, and M63488.
HSPAD08	202	986767	1 - 1213	15 - 1227	AW193875, AI859472, AW512687, AI298658, AI683140, AW510341, AW189037, AA075515, AI352215, AA293804, AI634702, AI972816, AA451904, AI204509, BF111273, AI680769, AI206090, AW170346, AW102571, AI491895, AI683354, AI683449, AI800229, AW105621, AW517880, AA628896, AA972922, AI131418, BE393771, AI269897, BE898899, AA477548, AA534766, AA496431, AI128837, AA555137, AA477050, AA563656, BF446212, AW054677, BE208245, AI972158, BE394824, AA432228, AA291675, AA719455, BE394667, AA496562, W67669, AA433859, AA936665, AA452084, AW003747, AA704365, F02471, AA688358, AA292518, AW166518, AA828939, H50634, AA603048, AA075256, AA078977, AA025750, AI609687, BF750539, AA010660, BF035171, AI955963, AA287213, BG150710, BF061263, AI087799, AI459028, AA428593, AI932457, H50635, BF223547, AA284324, W67668, AA327201, AA506658, AA476938, AW772554, BE674284, BE694854, AA722190, AA507349, AI540421, AA010659, AW189604, AA290981, AA969241, AI685657, AA025902, AA406009, AW088425, AA477670, AA402537, AA471179, BE001672, BE382381, BE746798, AA394184, AA477553, BE931271, AW749395, AA290980, F02231, AV705972, AA402896, AA401329, T28367, AW207468, AA079060, AI521428, BE515017, AA477665, AA335459, BF883518, AA405299, BE001677, AA385556, AW779288, AA403038, BE001587, AW467094, AA411029, AA411533, AA908550, AA293236, AA385354, AI963250, AA402928, AI130774, AW995301, BE816517, BF877343, BF877245, H53726, AL031663, AX014329, and A18924.
HFKBA32	203	987018	1 - 1853	15 - 1867	BF310989, AA779683, AA778834, BE671061, AV751426, AI055953, BG257892, AI609802,

					AI860306, W27660, R52806, AW195940, AI380154, AV752306, AII74219, AI422421, AV753926, R44985, T19342, Z45051, BF313622, N50668, AA699401, AI912462, Z40782, AV754072, T32252, AV754907, AA716140, AI382444, R20199, AW519215, N50758, BF831401, BG153108, AW748527, AL449781, AL449783, AL449725, AL449782, AL449784, AL449726, AI202657, AV702148, AL121740, AL031652, and S68401.
HHFLU49	204	987071	1 - 1380	15 - 1394	BE792620, BE019329, AA485440, BE793998, AI469092, BE205890, AII91926, AW194434, AI184921, AL035775, AA455208, AW079362, BE269697, AA485606, AI089456, AI332821, AA630354, AA490222, AA454866, BE677870, AA744740, AI392667, AA856590, AA401195, BF529066, AW473066, BE798034, AI825496, AA352810, AA282213, D20119, R85135, AI564870, AA282165, AI453191, T28579, AA348281, R85086, C02583, BF813606, AF245447, AC022154, U48213, and D28468.
HOENX16	205	987112	1 - 3893	15 - 3907	BE891680, BE178297, BE178296, BE178286, AI268332, BE670810, AV707583, BF195477, BE177969, AW951402, AW958955, BE551841, BF445193, H97932, AI741806, AA778568, AW157094, AV646610, BF448214, AI268370, BE551065, AI702945, AI424098, AW451803, AI692508, AW167867, AA628493, BE044558, BG116437, BE218339, AI598189, AI654033, AV653817, AI817262, BE220165, BE467572, AA971551, AW043615, BF109315, AI936744, BE219699, BE219449, AI819358, AI057105, BF448042, BE178117, BE168027, BF434998, AI887913, BF514130, AW119000, AI459272, AW025400, BF434156, AI703246, C06099, AI689853, AW149578, BF058188, AI791586, AI417870, AI420664, BE178000, AA283186, AI703125, AA394164, AI366783, AI377829, BE178101, AW149393, BF940116, AA464856, AA483691, AI951466, AI371041, AI422898, AI566539, BE219820, AI371032, AI199202, AA583355, BF058198, AI089906, BF116136, BF115258, AA977253, AI146316, AW197103, AI094921, BE326470, AA971743, AA994584, AA044947, AI075961, AI393161, AA044943, AI202319, BE327284, BE669883, AI589590, AA972772, AI632940, AA628533, AW341013, AA629360, AI215842, AI039295, AA532381, AA931937, AI076496, AI081377, AW003065, BE856431, AI299481, AA932867, BG149327, AW079999, BF436113, AI376081, AI222964, AI362071, BF061630, BF434279, AA628503, AA884934, AII84689, AA433882, AI357324, AA405766, N33018, AI356893, AW341785, AA934413, AA434383, AA513037, AI673829, AI376275, BE671351, AW771579, AW152313, AW104344, AA453341, AA994794, AA730790, AII39706, AW163063, BE672575, BF514498, AW139974, AW450904, BF732982, AI560166, AA992454, BF437946, AI268743, BF058175, BF732363, D52937, AA759378, BF448255, BE564373, BE766897, AI350218, AA292346, AW969749, AW263630, N99650, BE219748, AV646822, AI094082, BF431731, AI268578, AA452493, AA577028, AA484850, AW051780, BG149815, AA405847, AI279152, AV723873, AW015816, AI279039, AA230021, AA482694, BE504543, AI383225, BE672185, D62553, T75442, AW966446, AA384817, AII43652, BF514961, BE858120, BE972813, AA001089, BE222561, AI205651, AA829807,

					AA332060, BF229130, R80152, Z36959, D44840, AI692586, BE709287, AA668713, AW028893, AA935871, AI311975, AI313288, AW951403, F13013, F10610, AI910420, AI379372, AA516076, R73731, R73650, AI348747, AI610907, BE180375, D62481, BF438546, AI611925, AW297589, AI784325, D45510, BF054671, BE502727, AI671347, AA621928, BE180154, BF886759, BE180152, AI351256, AA745667, D62330, AI371476, AW451761, BF054866, AL022726, U28368, Y07958, U16153, X75018, AJ001972, AF077859, AJ001971, AF030295, AI133390, AF085889, R20393, R43511, R80886, N71679, AA001053, AA149057, AA464151, AA730651, AA923038, AA934400, D79281, C20741, AA410247, AA410595, AA410596, AA436359, AA454080, AA480072, AA482617, AA709262, Z42701, AI469058, AII88065, and AW297335.
HTFOW71	206	987165	1 - 3700	15 - 3714	AU118585, BE875298, AV682483, BE708209, AW965424, BF031382, AA908770, AW194236, AA863229, AA292918, AI140754, BF130541, AI921186, AW188519, BG149424, AA878230, AI828605, AW975392, AW875556, AI949757, AI803722, AV749448, AW474515, AW474470, AI014812, AI373797, AU158313, AA526126, AA809213, AW273542, AW191931, AV715119, N62972, AI914731, N50836, AI784523, AA935043, AV681975, W04335, AA741240, N79876, AA814785, AW876605, AI000955, AI096936, AA767593, AA827102, AW876602, AW023275, AI014777, AA480539, BE007133, BF961785, AV659835, BG026599, AI358045, BF367902, AW340779, AW379327, AA280431, AW393163, R88194, AV749193, AW516924, AI095334, F17499, AW972832, AA527642, BE765701, AA334408, AW745802, W03745, AA252969, AI241826, W03727, R33831, AA745278, BE173119, R75838, N73949, AI361182, AV749201, N55158, AA096078, R75839, R33832, BE007129, N74169, AI934211, C02132, AW373395, AA253011, AI571875, AW015268, AB018256, AK026643, AK023740, and AF121862.
HTTAG03	207	987262	1 - 1291	15 - 1305	AU130318, BG259774, AU125274, AU128855, BG256568, BG177060, BE257156, AU129041, AI700706, BG024376, AW364136, BE548336, AU128166, AW386043, AW601873, BF525772, BE019700, AU132416, AU127646, AA291324, BE905471, AA179587, AW503906, AW996355, BE747534, BF087827, BE709414, AW197058, W26424, BG257764, R81308, BF754332, BE256391, AU133402, M85963, AW993840, BF754246, AU125115, AW386030, AL121131, AA207003, BE390411, AA332904, BF736085, AV724551, AW373274, AU123386, T09019, BF932018, AU133513, T31784, AU132106, N77135, AU142640, AU128923, AU130530, R18813, Z43001, AU129525, BE694459, T34189, AW975891, F12246, T34191, BF085466, BE719825, BF376318, AU128888, BF968290, BF928373, AW163398, AA985239, T77416, T30644, H14655, BE171681, AA333145, BE887490, BG004439, BG001543, AA972641, BF895334, BG112027, T30285, R34764, R20971, AW503416, T65268, AU132457, BE719079, AV706679, BF895331, H19179, BE295342, BG252015, BE161948, AA156130, BE007849, BF845158, AA429537, BF514515, AU126430, BF929781, AV756829, W96495, BF841516, AA218823, H87691, AA082864, AI989432, AW843600, N56845, BF761493,

HNTNN89	208	987577	1 - 1774	15 - 1788	BF899121, AI003240, T78660, BE002101, AA525285, AW340165, AF043220, AF043219, AF036613, Y14946, AF038968, AF038969, U77948, AF035737, AF038967, AF015553, AC004883, AC005098, AC005080, AF267747, AC004166, AC008267, AC004867, and AC004878.
HRADQ96	209	987636	1 - 799	15 - 813	BG031718, AW513358, BF976544, BF438157, BG032811, BF331293, BG024716, W79562, AL535366, BE884963, BG117015, AI015417, AA195361, AI168363, BF888337, BE736684, BF898627, BE252727, BF092574, BF026987, BF092380, AI313235, AI186042, BF869862, AW803215, BF835770, BF689427, BF002648, BF842552, F01241, BG256421, BF805719, AI460203, BG030479, BF309323, BG256560, BE763786, BG031518, BF922507, AW498536, BF882825, BF988866, BF182880, BE733066, AA452576, BE702993, AW601526, BF027104, BF882823, BF083180, AA195362, BF814079, BE314540, AA343903, BE799669, BF229237, BG257848, BF812714, BG007737, BF229214, BF829579, BE771762, BF827229, BE781509, BF346947, BG003854, BE747136, BE933685, AW499012, BF527029, AA248724, BE899626, BG030023, BG164309, AU141520, AI075687, AW498552, BF025833, BF900113, BE173877, BF912681, BF313647, BF954395, BF757992, AA577565, BG256431, AU118535, AI795846, BE140733, AI795807, AI795845, AI834271, BE140756, AI795820, BF766160, BE278426, AI795809, AI816586, AI816599, AI795804, AI795835, BE140737, BE140735, AI795812, AI795806, BE140736, BE839312, AI795802, BE811847, AI795830, BE772922, AI834270, BE140734, BE140738, BE694678, AI795853, BE140757, BF923079, AI795850, AI795844, BG031631, BE273730, BG176632, BF894840, BF981708, T12220, BE560871, BF348639, AA932665, BE140785, BF851195, BE777506, BF357970, AW177740, BG177284, BE889126, BE294313, BF984543, BE140782, BE707376, AA554454, AA706989, AW845338, BF882819, BE769206, AW580354, AW177756, BF966485, BF375580, AW581253, AW732883, BF203759, AW732860, BE616578, BF923384, BF842532, AA452754, AW607309, BE769218, AI834266, BE168455, BE814247, BF089125, BE082661, BE769200, BF510367, AI905996, BF972638, BE275901, X51466, Z11692, AF079098, AF079099, Y07504, U17362, M13708, E01155, U89415, X15337, X15335, X15336, X13988, Z34849, AC002347, and X04267. AJ347165, BE674960, AW262846, AL524881, BF590769, AI479150, AL524880, AI765046, AI954702, AI862166, AW341529, BE671360, AI979234, AA425381, BF222205, AW271374, AI498382, AI350299, AW207600, BF445305, BF939315, AA971011, AA045629, AA047515, AI675480, AI952656, AW136682, AW886735, R94308, AA135217, H92097, AI364888, AI566024, AA676245, T67202, AA885307, AA459915, AA460100, AA906376, AA935669, AA399986, BF590005, AW518625, AW769577, AP000503, AL132713, AF134726, AL122094, AJ245661, and AA401402.
HLDCJI6	210	987808	1 - 955	15 - 969	BF110739, AV704400, BG119539, AA011185, AW975682, AA730907, AA736634, W70279, BG116516, BF914127, AI751939, AW963708, BE734515, AI242625, AA374275, AI148822, AX046526, AX046525, and AB023209.

HCOPH23	211	987900	1 - 591	15 - 605	AV729764, AA489568, BE938598, BE535256, D63283, AW177206, AA992072, BE843894, BG108043, BE865610, AW592116, AW996479, BF920145, AW996421, BF666980, AW996637, BE568865, BF216333, BE929243, AW950983, AA355341, BF036942, X89478, and A84106.
HEEAQ78	212	988159	1 - 609	15 - 623	AI203969, BE296775, BG259789, W19306, AI202279, AW117484, AI244102, AA360001, D31227, AW173045, W30958, D31245, W79314, AI968556, N27070, D30986, W87555, AA099257, BE550156, AI588983, AW204247, AI366748, AI805886, AI138445, AI313140, BE468140, AI458728, AI275451, AI279857, AI674281, 'AI431916, AW664610, AI928380, AI269434, AW303460, BE674620, AI803131, AI867122, BE221203, AI925957, AI435892, AI767332, AI218515, N99243, AW770741, AI279859, BE670348, AI379346, BE465388, AW663406, AI265771, H85592, BF110468, AA464584, AA909667, AI073818, AI243233, AA502751, AI804773, BG009489, AW779926, AI697614, AU145024, AL121250, AA889681, AC005746, U28049, AF244917, U15566, and AK001031.
HOFNY16	213	988363	1 - 1198	15 - 1212	BG164515, BG111223, BF112285, BG026284, BF684158, BG112559, AI741360, AI028092, BG027394, AW054930, AA843208, BF112117, BF106122, AI885734, AI086570, AA779766, AI149382, BE465615, AW131854, AI589032, AI761580, BF970936, AW338608, BG028559, BF594649, AW957967, BE535650, AI221082, AI538973, AI457118, AW305001, AA224194, N32622, BE857341, AI332782, AA574231, AW166459, AA502344, AI446132, AI333381, AA918408, BF700624, AA843391, AI188410, AA911794, AA694111, AI128450, AI017450, AI183618, AI695163, N71175, AI359210, AI362223, AI076169, AI373833, BE645009, AI969702, AI679434, AI679944, AI632818, AI751761, AA464068, AA677764, AA262544, AW611909, H98169, AA316805, AA224296, AI351595, H46974, BF939054, AI094637, N29775, BF000254, AA191432, BE439725, H99191, AW008944, BF317333, AA261907, AI654665, AA766635, AA629945, AA345802, N49576, BF941630, AA513768, N21971, AI469939, AA731203, AA627622, AI222668, AW627836, AI128771, AW206264, AI678337, AA463932, AA526189, AI535798, AA526159, BE615345, N24474, AA781062, BF373261, AA766011, AI004436, AI249345, AA027991, AA366773, AA344096, R10708, AW131678, N28580, W19349, AU156209, AA333690, N47841, N57194, AW337311, AA027990, AA618114, AA861099, AA508759, AA780171, AA355540, AA508773, AA528039, AW972443, AW972641, AA535956, T25759, BE770747, AA918251, BE164977, BF997435, AI687527, AI749060, AW197976, H83283, AW104117, AW866581, AW866501, BE841187, BF374341, AW969030, BF001680, BF792390, H61031, AW866266, AW132056, AI590043, BF812960, AI433157, AI702073, BF812961, AI950892, AI635942, BF812938, AW827289, AI114703, AI280637, AI648454, BF970652, AI435253, AI633125, BE047852, AI445611, AL514717, AI569583, AW026882, AI491775, BE964614, BF724198, AI431975, BF814453, AI862139, AW168650, AW026882, AI536685, AI802542, AI818980, AL515191, BF816042, AV729953, AW251034, AW051258, AI536685, AI802542, AI818980, AL515191, BF816042, AV729953,

AI670009, BE965621, AW086113, AI670002, BG109131, AL513961, AI254731, AI564719,
BF814412, AI815232, AI677796, BE965121, AI619502, AI445432, AL514579, AI687728,
AL513597, AW166903, AW235482, AI435641, AI637584, AA292158, AI286256, BF925729,
AW081036, AV735235, AI648509, AL514047, AI690426, AL514357, AL045500, AI687362,
AI267162, AI926790, AI440239, AI590830, AI890833, AI812107, AL039086, AW148408,
AI612913, AL513577, AI620003, AI799183, AI559296, AV703585, AI582391, AI687127,
BF921291, AW079075, AL134830, AI580984, BF856017, AL514701, BG180046, BE963244,
AI636588, BF868489, AW104724, AL110239, AF151872, AK023498, I89947, AK026506,
AL110225, AF113019, AL110280, I48978, AF116631, AL162083, I09499, A08916, A08913,
AB047904, AL133557, S78214, AK027096, AL137557, AL110196, X82434, AB049880,
AL117463, AL359596, AL137480, AK025092, A08910, AF285167, AF314091, A65341,
E05822, AK026480, AL122050, AF177401, AK026504, AF119875, AL117457, AL359941,
AK027173, AL050149, AF116682, I89931, A65340, AL049452, AL137550, AL353940,
AR087170, AF116688, Z82022, AK026927, AF113694, AK025084, AF130105, AL442082,
AL133665, AK024594, AB051158, AK026744, AL389935, AK026532, AF119899, A77033,
A77035, AL050208, AL050146, AL133619, AL389982, AL162004, S54890, AF119909,
AL117460, AL359601, AL050116, AF125948, I48979, Y11254, AL133080, AK025339,
AK026855, AL137459, AK000323, A23630, A08909, AL133640, AF118090, AB048954,
AK027160, AF090903, AF130077, AK026542, Y16645, AB048953, AK026045, AF111851,
AL133016, AF090901, AJ005690, AL133560, AF116691, AF113677, S36676, I33392,
AK026959, Z13966, AL049382, AK024538, AF183393, AL110221, AF090900, AF230496,
AJ000937, AB041801, AK026583, AK026784, AF116646, AL122100, AL133075, AF158248,
S68736, AL133113, AF106862, AK026534, AB049892, A86558, AF225424, AF130099,
X57961, AL050393, AL359618, X72889, AK026592, AL080124, AF078844, AF091084,
AB052191, U37359, AF146568, AF090896, AL050138, AL133606, AF090934, AF113699,
AL049314, AK000083, X63574, AL080163, AL122121, AR038854, U75932, AF090923,
E02349, AL110296, AK026741, AK027204, AF116602, AF130087, AB052200, AF130082,
S61953, AF130104, AL050277, AL137283, AF097996, X70685, AK000618, AK000212,
AR079032, AL050108, AK026647, AL035458, AL133637, E03348, AF113689, AF130055,
AF119878, AL049466, AK026613, AK027164, AF242189, U57352, AL157482, AK000647,
AL122093, I68732, AL122110, AF119894, AF017437, AK026894, AK026528, AL050024,
I33391, AF218014, AK025407, X84990, AX019230, AL133565, AX026823, A58524, A58523,
AK026865, AK027081, AL049938, AF119865, AK000137, AF107847, AL137271, AF130100,
AL353957, AK000074, AB050431, E07108, AF039138, AF039137, AK000391, AL353956,
AF113013, Y11587, AL080074, AK024747, AL117583, AF176651, AK025414, E01963,
AL162006, AK025491, AF119857, AK026452, AK025113, AK025772, AF138861, AX006092,
AF111847, AF106657, AF079765, AX019229, AF104032, AL049464, AF100931, AF118094,

					AF118070, X80340, U58996, AK024974, AF026124, AL157431, AL117443, AL117435, U35846, and U42766.
HSLCX45	214	988441	1 - 1594	15 - 1608	AU138309, BE378723, AW954529, BG170125, BE407482, BF345314, BG110266, AU126439, BG252087, AI207589, BE538230, AW370396, AW514900, AW614778, BE873057, AW370434, BF968320, BG257066, AA166771, BG112058, AL525443, BF346757, BG118689, BE545196, AI808550, AU128363, AI076009, AW748425, AL135589, AA167097, BG167568, AA430610, AI825617, AW796311, AW182707, AW748427, AI026641, BG163741, H51991, AA975592, AW995303, AI264089, AA430525, AI372496, AA297731, AW573289, AI219300, AA322231, Z45337, AI080168, AI766072, BF727366, AV696797, R76072, AA384673, W24461, BF445015, AI806968, R54168, AA296920, BE171602, BF894766, BE171603, R82603, AA294943, AV692839, AA310705, AA632404, N42674, R14396, BF726113, BE892010, AI865128, AA824553, N32458, AA356894, AA166959, AI609522, AA166910, AI253143, BE162789, BF351162, AI924986, AA444136, AI075198, W05098, AA385099, AW374839, BF516243, AI248101, AI805883, AA582768, AA809507, AA731343, W44721, AA862207, R56252, AA826145, AA573521, AW407346, BG028788, N92283, BF445409, W38624, AI373279, AI150941, AI655627, AA889359, BF439835, AW613357, AI304379, AL133843, AI143202, AI767348, BE671632, AA055559, AA400410, AI826612, AI655656, AI433399, AI361012, AI214658, T32981, AW513581, AW513568, AW772436, AW130640, BE670317, T19107, AU150661, BE220152, Z41049, AL524537, AA700295, AA001677, AW768493, BF726112, AA730248, BF196078, AW511016, AI693099, AI693113, AW150675, AA948601, AA450020, AW081598, AA947191, BF515680, AI826592, AA031305, AI693090, AW748435, T93242, AA436536, AA526868, BF034090, R82604, AA826163, AA669789, BF591968, N48257, BE550159, BF589688, T93135, AW051111, BF754254, D79627, BF184824, AI887184, BF448111, BF893582, H30152, AW844424, BE972243, BG178888, BF934121, AA180040, N35415, AA555145, AK001437, AX010197, AB006572, AF091095, AX010199, AP000693, Z82196, and AI916220.
HLMJB09	215	988499	1 - 577	15 - 591	BE791453, BE266718, AI831454, AI478449, BF204533, BE728534, AW872373, AI366669, AI280407, AA306735, BG149615, N93873, AI268479, BE669813, AA465678, BE550202, AA912151, AA394238, AA972278, AW138759, AA310901, AW004693, AW008896, H96033, AA576640, AA292385, BF307199, BF511769, and AI074225.
HOVEF60	216	988526	1 - 1429	15 - 1443	AA863120, BF732255, BE326946, AW298244, AA017053, AA435512, AW295622, AW295626, AI951643, T53592, BE939132, AW294754, AA393547, T53591, AV699140, AA969193, R05527, AI085442, AA372985, R22075, AL160237, AC022137, AC011452, AC010636, AC002097, AF072711, AC006452, AL022326, AC008469, AC005520, U82670, AF176315, AL136969, AL365217, AC008770, AC005057, AC073316, AL133258, Z97054, Z69387, and AP000344.
HOGDR72	217	988536	1 - 530	15 - 544	BF967495, BF211711, AW327285, BF526862, BG025286, BF979085, BG027660, BE251902,

AV762304, BE260454, BF129885, AV741191, BF681456, BE907272, AI884918, AI095756, F30101, BE254907, AU126691, AV714954, AI827092, AV743251, AV710585, AW732886, AI344424, AA584218, AA744890, AI300848, W16526, AI748804, AI857538, AI264687, W47377, BF792830, AA040213, AA609680, AA937134, AV745024, BF681171, AA557625, BG231394, BF239199, AI188746, AV721211, AA855009, AV715743, BF686712, AI033767, AA420847, BF965251, AV724057, AI312889, AI342092, AI392941, AA707599, AI573264, AI298244, D61196, AA707532, AI338594, D20757, F24231, BF447322, AA650234, AA758576, N29939, AA468938, W05637, AV751983, AA313977, AA683534, AA469013, BE86256, F19198, AV737070, D51524, AA420429, AA657493, AI749529, AA335917, AW008966, H10544, AI131360, AI037998, BF240779, AI751883, AA313970, AI051789, AI159957, W47378, AA523187, AW026532, BE887794, AI857469, AA657513, F24557, AA146866, AI720892, F36863, F28793, W32886, AA146867, AW007089, BE672619, D81191, AA968838, BF337165, D51520, AA88941, BF954574, BF209878, AA632059, AA576811, AI300706, T79725, AV739817, T68141, BE812441, R73094, AA339720, F19462, BE073352, AA724959, AA961393, AI336135, AI138721, F27913, T30336, AI204128, F31843, T32200, AA568145, T36073, N74191, BF210913, T67995, T92099, T71446, BG254284, F34123, AI749424, D56154, BF954482, AW884243, AW939886, AA083105, D81173, AA313992, W35155, BF239376, AA471133, AW631265, BF572665, T31892, BF131513, D81247, W04355, BF572508, AW327625, D81378, D52437, AA082542, D52443, D59501, AW793583, AA083106, T24841, C03173, BE972561, W05779, R29137, H89590, D53867, BF799254, T35945, D52190, AV737705, AI936104, N92532, AA630017, AA040193, AA922437, AA382273, AI161393, F22684, AV741683, AA996319, T36223, F29277, AV719994, AA721470, AA622177, AA040194, BE073240, W38814, AA382638, BF840821, T77354, H24146, BE907742, BE073229, BF588473, AI191983, BE905959, BF431001, AA633270, BF572727, AA860915, AL046356, AL041862, AL079977, AX017269, AR022287, AL138958, L42855, AR022284, AC004493, and AC005570.				
HOCMF20	218	988556	1 - 1296	15 - 1310	BE514634, BG256857, BE870314, BE537227, BG107758, AU157540, BE379227, BG180584, AA039903, AW957081, BF666246, AA041527, BF223913, AI088688, AI452952, BE463637, AI768938, AI354883, AI569996, AI168582, BE746240, AI189869, BF930629, AU138248, BG167829, AA214649, BF897138, AW613854, AI086670, R70656, AW262560, AA906264, BG176733, AA862839, BF992831, BE613477, BE614226, BF772857, BE741553, AA369318, AA398795, AA334622, AW749053, BF979310, BE541549, AI990089, R01145, AA367593, AI990659, AA379173, AL449915, AI886597, AI024032, AA435840, AA670197, AA847919, BF195634, AA248230, BE707671, N81095, BF196800, AI476295, AW818630, BE677063, AW630122, AW582595, BE072906, BF899151, AW818433, BF928637, AA211075, AW582587, BF877092, R05760, AW85854, BE964371, BF773525, BE937222, AA079305, BF799977, BF982105, BF988362, BE927423, Y10043, AF003626, AX012194, AX011713,

					AF022465, AL357512, Z83826, Z93931, AC016617, AC002526, Y10044, AL353728, AL137124, AC005519, AC005479, AL136094, AL034450, AC002375, AL049709, AL035420, AF047701, L05085, AC004493, AK025903, AK025579, AB016091, AB002322, AF201422, AB016092, Y17793, AX030435, and W07456.
HAMHH26	219	988737	1 - 915	15 - 929	AU128934, AW295223, BE464400, AA991499, BE896488, AA350115, AA862497, AW803075, BF307480, BE771630, AI565361, BF305159, BG035692, AU143667, BE888160, BF308892, BG167064, BF316003, BG105910, AL533676, AA689522, AL527443, BF310865, BE561846, BE902727, BE250595, BE562560, AI970905, AB014077, AC004209, AP000513, U63336, and Z63167.
HHFOX44	220	988904	1 - 951	15 - 965	AL526701, AL522456, AL532453, AL527039, AL523903, AL526253, AL528026, AL527184, BE313151, BF981949, BE382548, AL528052, BE382760, AL530393, BE563051, BF316765, AL525360, BE295221, BE395130, BF343372, AL522455, AW161570, AI752220, AL528025, AL523902, AI752281, AL532452, BF316189, AA780343, BE314081, AI751714, BE710678, BE312148, AL525320, AA838048, BF526000, BE262585, AA308676, BE735562, BE295717, BF340685, BE714898, BF206587, BF207314, BF875508, AL527163, BE383255, AA532924, BF312104, AW160787, BF342085, BF206655, BF338128, AL524678, AA443563, T61701, AI750244, AW605824, BE792522, BG026032, AA327814, AI815410, AA042827, AI460348, AI365667, R19505, A09809, X16302, M35410, S37712, M69237, AF074854, S44612, AF120326, U21117, AC007563, M69239, S37722, and U21118.
HPWDE54	221	989029	1 - 4052	15 - 4066	AW857689, AW276231, BE551292, BF308481, BE299013, AA490201, BE670363, BF669630, AW005386, AV716271, W58532, N34876, H49263, AI989984, BF380965, BF351245, AW604667, T65325, AA316606, AI632927, AA284855, AW175932, AA456691, AA479509, AA284772, BF882124, BF754718, AI332652, AA479512, AI344533, H20606, BE502863, BF527371, AI025009, AI914188, F11769, AA449658, BF093603, AA992445, H14740, H69342, BF329858, H78105, AA065099, BE220691, AW003734, R91727, BG015459, AW468776, AI239843, BF333777, AA411443, AL135088, AA235153, AI651557, BE048365, F35147, BE311701, BF803133, AA479511, AW080475, AA689564, AI093007, BF329815, AI367837, Z41915, AW051387, W24995, AI613126, AW975318, AW383213, H82282, H24463, BF761251, BF834044, N55797, BF761000, N39880, AA284683, AI582820, AW444888, BE326218, AW002105, BE768127, AI350138, AI681729, H60265, BE940320, BE326820, AA284567, AA815230, AA476964, BF911584, BF909991, AW183890, AI241032, W46875, AA084319, AI633647, H94957, AI262918, AI022584, AW005596, N43950, H82389, AI683444, AJ252060, and M85156.
HNOAX46	222	989183	1 - 2741	15 - 2755	AU119537, AU134978, AI064858, AI064875, AW007726, AV703643, AU127757, AI694749, AI819136, AI887756, AI869305, BE885171, AA600798, AI887625, AI628095, BF061377, BE348369, AA723035, BF525409, AU148211, AI203615, AU145850, BE178344, AW169246, AI523583, AI922660, AI589554, BE720104, AV722120, AI805580, AU148112, BG250310,

AI377058, AI810912, AA398656, BF996331, AU148093, C05969, AW874271, N66451,
AI073379, AI469977, BF571021, BE674095, BE297119, AI990024, AI371810, AA075584,
AI623425, AI279574, AW971637, BE620518, AI499097, AI493871, AI291024, AI492893,
AW960228, AA115284, AI720722, AI129299, AV697501, AA634410, AA706055, AA916688,
AI222756, AI741475, AA136985, AU155745, AW190821, AW169279, AI628193, AA908259,
AA845441, AI954086, AI680250, AA398754, AI093023, AA159897, BF244333, BF111354,
AV701004, AL120202, AI298221, AA894561, AA210731, AI094211, BF476045, BE047218,
AI363414, BF940251, AA664129, BE543935, AI805397, BF340684, BE790182, BF806198,
AA436470, BE620915, AA713506, AA507594, AA625928, AI275221, AV660625, AA436520,
BF809549, BF594770, AA292853, AW513038, W17099, AI281346, AI246750, BF822594,
AW337467, AI457557, AI273621, AI358407, AV660420, AI089874, AI985765, AA565456,
AA137111, AI051001, AA160265, AI301506, AI077775, AW271244, BE311714, AW044421,
AV691111, AA508866, AI190740, AI672582, AA171627, AA907462, AW439122, BF382756,
AW276059, BF376236, W33010, AA918085, AV659734, AI073377, BG015156, AA653335,
BG113981, AI126887, AI079660, AU148196, BE146057, BF979837, AI475605, BE767928,
AI751734, D57160, BF727149, BF448001, AW015164, AI922611, AI683103, BF525402,
BE181216, AW511814, AW073312, BE940492, AW243771, AA977865, AI564424,
AV699550, W35397, AI751906, BE971256, AA844327, AW630218, AA877447, AV650593,
AV709628, BG012725, BE875929, AA171771, C00682, BF837333, AA730730, AW057767,
AV659922, AI940054, H19824, AI630539, AI041582, BE328606, H87492, AW239505,
AW021613, BE042700, AI935833, AI272094, AA621794, AW517994, BE767925, AI628171,
AI572928, AI224383, AI269397, AI700135, AA029668, AI690407, AW768363, AA418591,
BE965181, AW020196, BF804869, AA165005, H45176, AA327980, AI368771, AI422039,
AI811735, H11196, AA502116, AA631471, AA171737, W45662, N90940, BE843804,
AI950655, BF475871, H11102, AI383266, AA693578, AA853548, AI672986, AI581920,
AI052283, AI805968, BF806807, AA639457, AI096876, BF125741, BG012720, H40424,
AI168134, T48727, AI630920, AA614282, AW088935, BE768420, AA771963, AV684034,
AW264774, BF337920, D82656, X79067, X52590, AK024202, M58566, X99404, AF061981,
AC020910, AF123320, A75260, AF061982, M58564, I48979, I89947, AB048953, S78214,
AF116644, AF116639, AF116691, A08916, AL049938, AF113013, AL049452, AL133640,
AF113691, AF130082, AF113689, AF116631, AF271981, AF116688, AF116602, AF130104,
I48978, AF130105, AF090934, AF130059, AF090903, Y11587, AF078844, AL050116,
AF118064, AL157431, AK026865, AL110221, AL080060, AF090900, AL110196, AB041801,
AF090943, AF119875, AX046603, AL389978, AL133016, AF104032, AF113690, AL050149,
AL117460, AL162083, AF118070, AL050393, AX019230, AL122050, AF119878, AF116646,
AK025339, AF090901, AL390167, AL359596, L31396, AL117457, AF113694, AF130092,
AK024538, AL050146, AL157527, AF125949, AF138861, AR059958, AL442082, AB048964,

AK026608, S68736, AF218014, AF130075, A08913, AR079032, AL359601, L31397, AB050510, AJ242859, AL442072, AB049758, AF106862, AF111847, AL162006, AL133606, AK000212, AK026741, AL121656, A93016, I89931, AX019229, AL137550, AR087170, AL049382, AB047615, AL133075, AL050108, U91329, AL133093, X63574, U80742, X84990, U42766, AK025958, AL122049, I33392, AR011880, AF090896, AK000618, AL050138, AX040958, AL133080, AB047904, AL049314, AK000432, AL050277, AL049430, AK000614, A65341, AL137557, AK025084, AK026462, AF113699, AK027164, AK025414, AF130099, AL117435, AF130066, AK027204, AK026583, U72620, AF113019, AF119871, AL157482, AB019565, U35846, AL110280, AF119899, AL080159, AF119909, AK027113, AK026480, AF219137, AF113676, AF177401, AL080137, AX026824, AX026823, A03736, AL137283, X82434, AK026542, AK026353, A58524, AL133113, AK000083, AK026528, U00763, AL122110, A58523, AB048974, AB051158, AL122093, AL096744, AK026534, AL353956, AF230496, AL389982, AL133104, AJ299431, AK026744, AL162062, AL137459, AK026408, A08910, AK026629, A77033, A77035, A08909, AF158248, AX040974, AK025491, I09360, Y14314, AK026452, AK026642, AF177336, AX040974, AF183393, AX006092, X98834, AL049464, AL050024, Y16645, AF225424, AK025484, X93495, AF242189, AF017437, AK026504, AF061943, AF119865, AL117585, AF146568, AL049466, I03321, AF087943, AL353625, AF271350, E03348, AF097996, I26207, AJ238278, AK025632, AF067728, AL133077, AK026855, AK026784, AF119894, AK024588, AL359622, T49704, T49705, R22942, R23048, R24000, R24169, R36645, R39724, R53095, R72816, H00564, H00565, H18796, H19855, H43611, H44654, H45175, R82949, R83142, H89284, N42350, AA160264, AA171703, AA210861, AA232978, AA262591, AA463654, AA418653, AA424743, AA283920, AA283919, AA492125, AA551494, AA639050, AA662041, AA765871, AA768524, AA857989, AA953584, AI005538, N84392, W44442, C02453, N86404, AA642653, AA648371, AA441954, Z19687, AA708484, AA725245, AA853547, AA905854, AA962353, T10948, T17190, AA953836, AI254359, AI273937, AI306707, AI378429, AI432005, AI400922, AI473488, AI470607, AI568121, AI569533, AI581017, AI623668, AI628554, AI208299, AI537099, AI342593, AI613277, AI683073, AI696356, AI784432, AI862374, AI866360, AI949530, AW024495, AW090146, AW117844, AW073483, AW148468, AW166720, AW166985, AW169053, AW169190, AW196010, AW265452, AW265453, AW189688, and AW194540.	1 - 1134	989280	223	
AL520689, BE735404, BG112775, AI857685, BG167421, W19090, AI127950, AI093116, AI937245, AI498052, AA837396, AA931150, AA894527, AI077433, AA814942, AA729327, AA910659, AW405693, AA836412, AA564324, AI623269, AA846844, R16770, AA932274, AW854929, BF667815, BE208685, AI470094, T89616, BF754529, AI208399, N79612, AV756491, AW328331, AI625604, AI635440, AW370878, AI698941, AI282253, AW069227, AW969824, AW819125, BF725844, BF804385, AI687343, AI609972, AW968338, AL046746,	15 - 1148			HCQCB28

BE138594, AW500684, AA704393, AI251034, BE139139, AW805539, AV762633, AI250552,
T74524, AV760391, AL135377, AI755214, AI114657, AL079734, AA809546, AW505253,
AI251284, AI251203, AL119691, AI754567, AI223626, AA410788, AI754105, AW502975,
AW303098, AI357823, AV764259, AV760389, AI792575, BF216280, AW021583, AI284543,
AI634187, AW576251, AA533025, AI565084, AU117926, AI590458, AI537800, AI491765,
BE138387, AW975049, AI829480, AW157005, AI801649, AI267356, AA535216, AI620992,
BF868994, AI792521, AA587604, AI457313, BG236628, AA579427, AI254770, AV763540,
AA126475, AW957372, AW021917, AA904211, AV710482, AW474168, AW083934,
AV760466, AI028510, AI523205, AW023111, AF001548, AP001717, AL078461, AP000356,
AL035455, Z83844, AF207550, Z82190, AC005531, AC005156, AC004638, AP001068,
AC005480, AP001671, AC020916, AC004826, Z95116, AC011742, AC006057, AP001753,
AP001725, AL352984, AC002115, AL158830, AC005237, AL049779, AP000030, AJ011930,
AL163300, AL034374, AL157818, AC009600, AC004990, AB003151, AC019171, AC020898,
AC000052, AP001710, AP001711, AL139396, AC027319, AC006983, AC020908, AC006581,
AC003104, AC005666, Z98742, Z84487, AL022323, AC009244, AC024067, AC009516,
AC008567, AC002365, AP000553, AC010252, AL049631, AC005701, AP001469, AL021878,
AL138787, AC003101, AC008626, AL161936, AL031848, AF227510, AC008812, AL499628,
AC010748, AP001709, AL133260, AC005914, AL136526, AL034372, AC004594, AC011490,
AC006064, AP002085, AL159997, AC009477, AL158040, AL137061, AB001523, AF165926,
AC004659, AC007216, AC018694, AC004099, AP000692, AC002316, AP000555, AL133387,
AP001054, AC025593, AC036103, AC012309, AC004477, AF111169, U62317, AL031602,
AC006211, AL121753, AC008249, AL136981, AC011510, AL359457, AJ295844, AC000117,
AC005015, AC010605, AL162615, AC000378, AL163248, AC005295, AL031587, AL049569,
AL109984, AC002425, AL009179, AL035659, AC018751, Z98200, AC005746, AP001727, AC005786,
AC006449, AL353802, AL136444, AL021368, Z82244, AC003690, AC005903, AC004491, AP000131,
AF168787, AC005846, AL136418, AL033529, AL023575, AC004848, AC069539,
AC009032, AC007384, AC011527, AC007247, AP001759, AC005080, AC005391, AL049795,
AP000209, AC023490, AL109865, AC005500, AL136980, AC009501, AC004752, AL163249,
AC034246, AL391833, AC007376, AP001675, AC008687, AC005071, AC011455, AL022326,
AC005377, AL117354, AL096701, AP001748, AC005529, AC007564, AC006329, AC009154,
AC002544, AL135839, AC011470, AC007066, AC073175, AC007541, AC004234, AC008727,
AP001630, AC006312, AL033529, AC010553, AF317635, AC008267, AC007981, AC011475,
AP001039, AC007686, AC007263, AC022515, AC005799, AL009183, AC020904, AC006285,
AC003962, AL136418, AL022163, AC004674, AC004522, AC010627, AC011462, AC010491,
AL133448, AL035089, AL022336, AL008582, AF240628, AC003954, AC008379, AL034423,
AL132825, AC004906, AC011470, AP001468, AL135905, AP000065, AC008745, AC006468,
AL049709, AC008753, AC008115,

	Clone	No.	ID	Range 1	Range 2	Accession Numbers
						AC005072, AC009086, AC022596, AL021707, AC005736, AC008055, AL035071, AC006960, AL133454, AC006515, AC010789, AC021016, AL022147, AC006480, AL117339, AC005236, AC018712, AL033520, AL022165, AC003663, and AL021395.
	HOOJB32	224	989321	1 - 2335	15 - 2349	AL515532, AA829751, BE748918, AW007550, AL515533, AU119923, AL518484, BF697251, AW978734, AA812215, AI333647, AA776760, AA479310, AA976233, AA765519, AA602624, AW978969, BF214666, AW893942, AW993668, BF726646, BF036225, AI619447, AW272900, AA143053, BF589461, AI832440, AA825905, AW271599, AW439208, BF981088, AA868695, AA632054, BE895236, AW607674, AA143252, W60553, N27545, AA255434, AW272364, AI886366, AA027768, AA766708, AI079161, AI963170, AI079664, BF132493, AI274767, AA938443, Z25256, AI803757, AA757112, N40361, AV699373, AW607572, T50699, AW607642, F00462, BE165952, BF130297, AA876224, BE560621, BE748396, AA294831, BF900791, AI698984, AA255596, AW572264, AA805436, AA357727, T77071, BE896446, BF921133, AW964250, AA479413, BE542265, BF241063, BF576917, R80504, AI886367, AB007619, AF006265, AF076524, AL133353, L29555, AF059321, and AII68650.
	HMWJJ35	225	989323	1 - 595	15 - 609	BF130431, AU148003, BF541521, BF668426, BE960616, AW955644, BF242464, BF242953, BF700182, AW592565, AL536954, BE737954, N39380, BF698754, BF214449, BF667459, BE565781, BF028162, AA640397, BE748478, BF238497, BF664849, W00920, BF665032, BF570721, AW976277, BF027869, BF664855, AA379071, AA329515, D80838, AL536953, BF695984, AA936496, AL109925, AK022419, AF254117, AF264787, AL137060, Y15228, Y15381, and Z57881.
	HHFIA95	226	989396	1 - 3136	15 - 3150	AU118053, AI761722, AU133368, BE220681, BE904300, AA903124, BE218571, BE875326, BF110216, BG254952, BE393532, AL134516, BG105299, BG177247, BE885702, BE154897, BF037984, AI831473, BF574765, BF576023, BG260292, BE439745, AA604081, AA603455, AW629057, AI817117, AI694366, W80392, AI935246, AU144710, AA887227, BE154865, BG104770, AI076013, AA211611, AW168295, BF672060, BE154866, BF036585, BE154898, BF355599, BF671956, BF031143, AW769409, AW263745, AW977292, AA211683, BE075303, AU154716, BF215526, BF800037, AW086067, BE871344, AI281897, AI827407, AI244255, AI660036, BE789605, AI559254, AA044091, BF983298, AI122753, AA917034, AI637588, AI808102, R60765, W78970, N22921, AA393852, AI040177, BF229422, W56449, Z33451, AW771892, AI190898, AA547998, AW242400, AI188686, AI242430, AA604102, AA044281, AA765282, AV722457, AI338330, AA159042, BE880891, BF574179, AI338329, BF103937, BF219369, H18545, AI973242, BF105139, AA393851, BE891180, AA995784, R60253, AA569460, AA936280, F06764, AA993733, AA031985, AA541308, R67234, BF229418, BF802756, Z39821, AA173320, AW136432, N63356, AW316605, H51502, AA173319, AU124276, H02648, BF672600, Z26973, R81685, AI244925, AI016876, H18437, BF686307, AW265135, T54070, AI541355, AA565781, AW023057, R74303, AA856745,

					T34301, R2836, H74149, R38158, AI332886, Z42782, AW242417, R34113, AA731347, BF734577, BE708141, H51503, R38121, F05473, D57866, AW804895, BF577280, AA031984, R27980, R81686, R38063, R38035, AA300862, AI804174, AW050651, Z38926, AA894455, AI499327, BF355594, AW151345, BF088241, BE932744, BE932715, BE932737, BE719774, BF835036, F01732, BE167500, BF088221, BE933511, BF790450, BE719784, AA248693, BE719818, BE719777, AI364416, BE719788, BE932729, BE932756, BE932760, BF835030, BE932736, BF835028, BE064173, BF088220, AK021602, AB002533, U93240, Y12393, AF020771, AK001237, D17139, AL022152, AC000100, AC004945, AL109623, AC005392, AL034551, AC020599, AC005783, AL162811, AC009314, AC003001, AL031054, AL139396, AC017047, and AC084429.
HSPSH36	227	989607	1 - 3341	15 - 3355	AI084794, AI079577, BE881652, BF339888, AU129623, AI860227, BF527871, BE902813, AW247256, AW149506, AI340349, AW165995, BE258548, BG120667, BE562875, BE671167, N49941, BG122408, AI937382, BE220476, AA114972, BE467738, BE872452, AI798846, AW043850, BG104282, AI660526, AW504750, AA053861, AA432275, AA034091, BF798185, AI310064, AI677900, AI587077, AA543064, BE045523, AW898148, AI693972, AI356444, AA845685, AI084913, AI140117, AW593208, BF111021, AI273445, AA431268, AA934875, AW248351, BF432911, BE670425, BE828110, AI221382, AI356446, AI160550, BE217783, BG112435, AI689824, BF110424, AI914318, AA953658, W73665, BE673799, AI359956, AI360429, AI804623, AW965712, AW205262, AI342370, AA620610, AA918736, AI279173, BG149447, AA041542, AI304417, AA515511, BF061408, AI565733, AI859179, BE674577, AW071018, BF061911, AI351605, AA001196, AA923717, AA706669, AI950177, AI566935, AI311478, W73617, AA007600, BF840585, BF061852, AA503205, AW014660, BF112260, N52723, AW303274, AA352018, AA961114, BF195300, AI480209, AI278673, AI916311, H38785, AA047595, AA136472, AI052140, AI298446, AA057216, AW043575, AI128768, BF446866, W68642, AI033091, AW665976, AA889932, H95052, AA747719, T66290, AI298975, BF773249, AI375774, AI703297, AI500368, H20393, BE327032, N99560, AI090578, AI023749, AA086083, AI275622, AA757794, AI452648, AI583232, AI568624, AW470278, W68641, BF978456, AI364086, H16275, H38686, BE831779, AI459176, H83993, AW149552, AW949838, AI422271, R05556, H12369, BE676655, BF197252, AI609045, BF055295, R19188, R87458, R05663, AI268656, T66343, H21010, N50155, R71281, H43161, R61162, R85142, AI918177, R73430, R71230, AA372029, AI268549, AI702648, H75726, R99486, BG165410, H12317, AA814517, BE645111, AI348485, R99485, AI500402, AA975326, AA976181, R31047, AI348329, AI083736, AI369621, AI568988, Z41094, H66760, AI479912, AA086084, AI970578, H22528, W35148, AA971720, F12147, AA760693, H19816, H20389, Z43042, AA016275, AA782921, R05664, BE044409, F08012, AW973038, AA927449, H94692, BF766588, AA019859, AW151197, R56553, R05452, BE762898, H20197, AW006795, AI457786, AW002114, AW247925, AI937423, AA725110, AW505065,

				F16642, H03295, BE908382, AA532545, AI050857, BG118564, AA325830, AA374644, AA059195, H83994, R31828, AA054196, AA054082, H20967, AI783667, AA057217, BE867862, H22529, H45049, H43097, H45084, AA365152, AA059196, AA649840, R87459, AA862269, AI358452, AA936451, I23531, M94654, I23530, X60787, U58196, U58198, U58197, AR040823, AB052191, I48978, AK025435, AL133113, AL137284, X78627, AK027173, AF232009, AL137550, AI080139, AR050959, AF082526, E12747, AK026633, AL117587, AF271786, AF116682, I48979, AL137479, I89947, AL133637, I68732, AK026480, AL121110, AF116631, A77033, A77035, AF039138, AF039137, AF130110, AF192401, AF192402, AL133061, AK027101, AK024992, AK026541, AK025798, AF267849, AR011880, AK024978, AF124728, AL389935, AK026857, AR022283, AF260436, AR013797, X60769, AF116688, AB044547, A65541, AK026642, AL359583, AL122100, A21625, AX019230, AK027121, AF080068, AF031147, AX040974, AL110228, AL161964, D16301, U38419, AF087943, U62807, U49908, AX015915, AL162002, AF100931, AL133084, AF113694, AF145233, X83544, AI299431, AF054988, M85164, AL137256, AK026434, AR034821, L04504, AK000083, AF130082, Y16645, E03671, I33392, AF183393, AK025015, AB024524, AL137533, U75304, AL096728, AL110223, A15345, AK027111, AL049339, AF111849, AL117460, AF106657, AK027129, AK027164, A08907, AK027102, AF090943, AL122116, AL122106, AK027217, AK000414, AF177401, AL080147, AL157433, AK026630, AF141289, AK025084, AB047878, AX020124, AL117457, AB047627, Y10936, A65340, AF130055, AF124435, AL133623, AK026556, AL136884, A57389, AL137554, X06146, AL137529, AF030513, AL157482, Y07915, AR038854, AK000502, AF013214, AF130056, AK025414, AF069506, AL137258, AF254119, AF090900, E01963, I32738, AC012502, AL137555, AL357195, AL050172, Z82022, A49139, AL050116, AF208850, E01614, E13364, Z30970, Z35309, AF113677, Z97214, AL049324, AF090934, AK026504, AK026597, AL122050, AF130100, AL110296, AL442083, AB040710, AF047443, AL096744, I25049, I25048, AL353956, AL080148, AF267991, AF314091, AL137657, AK024588, AK026894, AF119899, E05822, I33391, AF113699, A76335, AR029490, A08913, AK026844, AF017790, AX014101, AK025312, AK025658, AF262032, AL389947, AF119843, AF155656, S83440, AF265236, X68560, A08910, AL137480, AL080163, AL137716, A08909, X63410, AL049283, AL355719, AK027260, AL442082, AL133112, AF175983, AF111112, AF119883, S83456, AF113019, AR068753, A08908, A86558, X66871, AF119908, AF143723, AL080110, AB052200, AF115410, AF061981, X93328, A12297, AC007172, AL110218, AL110199, I00734, AL137537, AF026816, AL080124, X97332, AF000167, T53454, R11440, R61875, H03294, H08625, H19815, H20201, H75375, H95897, H96280, N71552, W20181, AA001135, AA017682, AA039919, AA525887, AA903401, AA906704, AI089860, AA471142, AI093624, F02518, F09784, AI363880, AI445507, AI242341, and AI873173.
			15 - 1193	
		1 - 1179		
	989952			
HAAAA25	228			AI680985, BG168038, AW945162, AW950652, AA554513, BE880730, BG170870, BE223010,

				1 - 784	AA877139, AA807892, AA514409, BE674773, AI250782, BE546729, AI214214, BF541519, BE302087, AA625531, AA593396, AI224033, AI016409, AI538453, AI281360, AI274110, AI249030, AI539329, N22772, AA722760, AI093842, AA550843, AI140319, AW674698, AI828736, AA972406, AI688907, AI337957, AI339781, AI278350, W87861, AA975567, AA857219, AW167933, W87741, AI538452, AW862480, AI474024, AI278811, AA464600, BF913633, AA527483, AA477850, N31654, AV653447, AW610369, AA857170, H58025, AW610357, AA235530, AI051600, AW384171, H24033, AV653129, AW384172, R45453, AW023520, AW384760, AA737307, AI989439, BE697073, AA923634, AW129709, T29737, AA477744, AA568370, AA641366, AA344094, AA298522, BE887376, R11264, BE891714, BG256267, R43413, BG259256, AI286350, F02958, BF806630, AA908416, AA703369, AW021464, R48004, AA304930, AV711648, R11207, BE814225, H57934, AW751711, AW747912, AW998901, BF795814, R43857, BE140421, AW949294, D19854, BF911096, BE928366, BE928405, AA410662, AI003385, BE928395, BE928396, AR009803, X00364, K00535, D10493, M38057, L00058, X54629, K01906, X00198, K02276, V00568, M88116, M88115, M22728, X00247, X97040, X13232, Y00396, Z68501, K01904, E01841, L00039, X01023, X00197, AF160483, M15078, AF160487, X95367, AF160489, AF160485, AF160491, M25762, U37688, AX018968, AX000474, AX000476, AX018972, A76272, M19724, X66258, U62109, X53248, AF076523, M13930, I24429, and I24433.
HTEMJI16	229	990060		15 - 798	BF309104, BE559524, BE281458, BE385728, BE786863, AV756337, AA779378, AA806308, BF027226, AI955259, BG115810, BE257947, AI479643, AI201081, AA449114, AI523836, AW105647, AI371725, BF971945, BF037117, AI332998, BE791557, BF796212, AI832556, AI360813, AA812681, AI338226, AV733716, AA133351, BE795339, AI160821, AA417906, AA719870, BE744787, AI911189, AA652508, AA074869, AA677398, AA196804, BF685157, AA713507, AI028708, AA583945, AI949595, BE730232, AI804084, AV701912, AI272799, AI076158, BF684668, BE512992, BF037939, AA758900, BF686755, AI084956, BF667373, AI738876, AA593880, AA478598, AI081646, AA513306, BE793024, AA419554, AI192864, AI189240, W42538, AI401016, BF032897, BF207166, BF694324, AI242445, BF975403, AI094068, BF733159, BE878000, AA620875, AI188600, AA657626, AI274502, BF680048, AI187079, AA962082, BG176811, BF308448, AA463687, AA196803, AV744973, AI284416, AI224529, AA468047, F19538, AV709297, AA308585, BF244980, AI804825, AI871846, AA234166, AA234913, AA987467, AI127473, AI147167, AA187442, AA721050, AA233918, AI476030, AA234914, AA482379, BE698022, BE717214, AW795107, BE163110, AA463761, AA471119, AW873836, AI253836, AI220722, AA312835, AA969703, AW844269, BE698050, AW844282, AI253673, W31092, AA357299, AA318396, AJ003540, AW964407, AI687745, AA468927, AA468096, W31092, AA357299, AA318396, AJ003540, AW964407, AI687745, AA468927, AA720885, BF374556, AA628636, N44134, AA479333, AI186421, AA449548, BF955675, AA385197, AV742900, AW794203, BF797432, AA833536, BE833240, AA887208,

HWLAB90	230	990146	1 - 2999	15 - 3013	AA318716, AA187616, AI243176, AI371742, AA383017, BF819540, Z20217, AW602656, AW504060, AC006064, AF151075, D63880, AP002085, AP001631, AP001748, and A74500. AV714144, BG032179, AW970180, AW968919, BG166257, AA488919, AW193898, AI809235, AA975791, W91952, AI761005, AI670010, AI339783, AI033067, BF034415, AW130078, BG002378, AI859374, BE898684, AA873447, R56753, W67396, AA514367, AA468526, AW613857, AI272684, AW303839, W67251, AA614766, R97330, AI304566, AA574117, H56576, H10098, AA488848, H10045, BF367097, C00414, AI300710, AI767837, AA918651, AW080712, AI015068, R97302, AI219130, AA977641, H81286, AA721681, AW630124, AI244872, R56905, H81342, W91879, AA009655, AI358594, AI991374, BF987177, H56577, AA886283, BF056410, R25858, BE091015, AF067817, AF118887, AF118886, AF067816, AF140280, and AF035442.
HOSED43	231	990184	1 - 796	15 - 810	BE293450, AI416985, BG259922, BE250091, BE409947, AW976132, AA127077, BG036566, AW006165, BG255815, BE267475, AW403861, AW408474, R47317, BF878882, AA074323, AW842660, BF825561, BF879325, AA806524, AI037897, BF932189, AU156313, BE788042, AW752809, AW752712, AI753037, AA602557, AU156024, AA127078, BE245636, AK001851, AK023509, AL137818, AL356108, AL023755, and AK022251.
HNODF50	232	990254	1 - 1305	15 - 1319	AL517211, AL517210, AL518669, AL518668, AL522147, AL521219, AL521218, AL525965, AL526016, AL529841, BF310468, BE260926, BF528453, BF792486, BF968614, BE727867, BF969532, BE741455, BF968373, BG254612, BF206651, BE780582, BF315676, BE314740, BE778351, BF337363, AI052120, AU127936, BF967743, BG256216, BE794943, BE543980, BF037565, BE906194, BE778878, BF980637, BE618222, BE385237, BE907648, AI564007, BE250963, BE786495, BG036398, BE251987, AI539865, BE786563, BE264208, BE538552, BF239260, BE878498, BG118091, AW674383, BF313845, AW948987, BF669238, BF528446, BF125038, AW054769, BE262248, BE545571, AI921598, AA492511, AA587938, AI857898, AA633515, BF027253, BE697365, BF925551, AW341500, BF954735, BF977183, AI745475, BF954757, BE260934, AA769361, AA599303, AW956994, AI286245, AI274299, AW666003, AW958317, BE252135, AI252682, BE877011, AI382161, AI076260, BE618764, AI127273, AW190900, AA514755, AU150315, AW939258, AI906279, W73289, AA503533, BE777951, BF093632, BE163339, AW236251, BE266670, AW872807, AA653758, AA612989, AI440380, AI469422, AI271745, BF945505, AI873681, BF675437, BE967460, AA572935, AI910865, W73234, AW241946, AA804790, AI356494, AW674551, BG023980, AI208194, BE745501, BF528373, AI690448, BF724593, AW103110, BF994022, BF993923, BF991645, BF993922, BE972246, BF994018, AA806069, AA834818, AA305461, N30688, BF312335, AI289450, AW794720, AW794703, AA305936, BF993929, AA311372, BF677595, AA305330, F37016, BF993927, AW878217, AA654459, BF991629, AI215967, AA772577, H45301, BF803635, AW086134, BF994329, BF994316, H45074, R48780, H18284, BF994322, R78818, AA040670, W31677, AA708219, AA148170, AW340499, AW183355, BF993333, AW082264, BF993925,

					BF991324, R48885, AA854391, BE743249, BF572574, BF993909, F22269, H11318, BE816818, AI919387, BE929439, AA293184, BF993998, AW601441, AA551484, AI215973, AA040571, BE074790, AI684072, F25626, AA225507, BF229895, H45378, C00180, BF994312, W32101, U46271, C03223, AI918341, AA356495, T99316, AA371678, AI342719, AA300944, BF344854, BF446856, AA364820, AI871791, BF993916, BE769414, BF331401, H45041, AI206745, BF856284, BF993912, BF332671, AW268821, BE185060, BF856295, AW082610, BE766240, AW939875, N41296, AA143767, R73522, AA330825, BF572595, AW407942, AA293185, AW198148, AW885160, BE155766, BF737069, AW381772, AA810809, BE173861, BF570667, BF755706, AW582513, BE828404, AW843210, AA458493, BE155779, AA904696, BF743412, AW748144, AI139866, AI633937, BF572945, AF222742, AR048276, AK001416, AF038958, S45663, AC010527, AF038959, AC009004, AX041002, AX040958, AX040974, AL133655, E13998, U30290, AL133053, AL133076, AL133084, AL133070, AL049423, AL133051, AL133049, AL122101, AL133607, AL133015, AL133608, AL136975, A90832, AR055519, AF002985, AR015970, AR034821, AX015526, AX030435, AF184110, AL122049, AC024067, AL110171, AB047966, AF126531, Z69719, AC004213, and AA494290.
HLWBV17	233	990255	1 - 684	15 - 698	AI539865, AI469422, BG036398, AW958317, AI076260, AA492511, AI382161, AI921598, AA769361, BG118091, AI564007, AI052120, BE385237, BE777951, AI286245, AI252682, AI274299, AW054769, AW341500, BE545571, AII277273, AI857898, AI745475, AI440380, AA514755, AI690448, AI356494, AI271745, BE538552, AA599303, AW666003, AA612989, AI873681, AW872807, AA572935, AA653758, AA503533, AA633515, AI910865, AA587938, W73234, AW241946, AL518668, AW674551, AW190900, N30688, AI208194, AA804790, AU150315, BE907648, BF125038, AW236251, AA834818, AW103110, AI289450, BG256216, BF967743, AI215967, AA806069, AA148170, AA772577, AL525965, AA708219, R48780, AW086134, H45074, H45301, W31677, AA311372, H18284, AA654459, AW183355, AL521218, BE618764, F22269, R48885, BE743249, AA854391, AA040571, AI919387, F37016, H11318, AW948987, AL517210, AI215973, BE074790, AI684072, AA293184, C00180, H45378, AI918341, BF856284, AI871791, BF337363, AI342719, BF331401, BE769414, BF446856, H45041, AI206745, F25626, C03223, AW082610, AL518669, AW198148, AA143767, R73522, AW582513, BE155779, AA458493, AL517211, AA551484, BF570667, AW381772, AW582513, BE155779, AA329184, AI139866, AI633937, AA862050, AL526016, BE878498, AA904696, AL521219, AL529841, AII39866, AI809413, BF239260, AA664948, AA552564, U46271, BG150895, AA329184, W73289, AI809413, BF239260, AA225507, BE727867, BF968373, BF746013, BE876454, AL522147, BE260926, N27632, AA225507, BE727867, BE251987, AW878217, BF968614, BE185060, AW340499, AW082264, AC010527, AF222742, AF038959, AF038958, AR048276, AK001416, and S45663.
HOCQH66	234	990435	1 - 3554	15 - 3568	AW385298, AW834944, AI801294, AL048012, AW385250, AL048318, AI147487,

AW834975, BE207327, AW602060, AW834973, AW385294, AI814429, AA058619,
AW385356, AA902817, AW385261, AW838397, AW06864l, AII25527, AA977146,
BF694540, AW385651, BE018904, AW069460, AA579845, AW385638, BE301092, AI754966,
AW385640, AA662684, AW581139, AI633631, BF878408, AW385650, AW385627,
AW385636, AW838695, AW848243, BG003095, AW578284, AW950688, AA025792,
AW838697, AW067816, AI160086, BE018871, AA916433, AI312672, AW068642,
AW385626, BE208320, AII23095, AI080534, AII29160, AW003402, AII90448, AW610207,
AI650378, AI751474, BE939460, AA464278, AI079298, AW008904, AI753114, AII47847,
AI921079, AW069596, AW838690, AW384905, AA464388, AW385632, AA042974,
AA723144, AI754698, AW606828, R79130, AL047343, AW385625, AI825721, AI272862,
AW818488, AL048190, BF375677, AI962411, AI357454, AI272866, BF357916, AI963455,
AA954132, AA025791, AI751475, AW580247, AI754205, AA042927, AI978765, AI219182,
BF732911, AI400590, AW004928, AI310057, AW848322, BF756603, AW068078, AI932634,
AA030005, AW393481, AI751868, AA100085, AA383260, AI077475, BF750948, AW020383,
AA358778, C17742, AW385639, AW868273, AII39225, AI888266, AII38205, BE009637,
H39918, BE350757, AI354649, AI421369, T27965, AW848470, AW473611, R35448,
AL048011, AI341295, AW069475, AW471441, AW838686, AW751577, AA862923,
AA716634, BE706049, AA367536, BE815887, H56289, HI4894, AI365497, AI625217,
R62651, BF881318, BF328333, AI341896, AA040255, BE716895, AI249066, AW069275,
AW581369, BE815831, BE939589, AA852361, AW067878, AII91183, AI521666, AW182658,
AA852545, AA853291, AA853205, AA852351, AI752085, R66734, BF085842, AA852637,
AA852546, H56087, H47153, BE927989, AW068244, BF878970, AA334412, AA360911,
BE815809, H62466, BE927982, R62603, AA948020, AA359993, AA853143, AA853845,
H68869, AA853206, BF085865, BE172829, BF743880, AW068348, BE673154, AA295424,
BF737866, AI445727, N87092, AW518915, AA295637, AA055352, Z18352, BF348861,
H77700, AI910338, AA373385, BF852034, AI924679, BF085849, AW841507, BF870076,
AA374488, AA330553, BE815849, U53096, AI933753, BF739081, BF743869, H47073,
AA295592, AI983623, BE160978, BE842886, AI954497, AI927742, AL047976, AI910344,
AW078820, BE677295, R79131, AA593508, BE160877, W21528, BE160966, AL048189,
AI445530, AW834949, BF085889, N87776, AW151103, AW204360, R36363, BE149209,
AI888646, AW029260, AW172935, F05794, AW770450, AW130740, AW839836, BF827830,
AA345318, AA935401, X52022, AF064749, Z18279, M20778, AI6768, AF097996, I48978,
AF260436, AB034701, I48979, AL133640, E07108, AF116631, AF130066, AF031147,
AK026855, AL137459, AF113019, I89947, AF090900, AF113694, AL049314, AF116682, Y16645,
AL049283, AB052191, U42766, AL050116, AF113694, AL049314, AF116682, Y16645,
A08910, A08909, A08916, AF192557, AF106657, AF119896, AL359618, AF130104,
AL122110, AF116602, AK025967, AL122050, AF087943, AF130105, AI2297, X06146,

HOGDC67	235	990546	1 - 1875	15 - 1889	AF106862, AF119875, AL110196, AJ000937, A77033, A77035, AB047615, Z72491, AK026647, AL133557, AF177401, AK026927, AL359941, AL050024, AK026353, AL117457, AF119899, AF130059, A08913, AK025312, AF130082, S78214, AX019230, AF090934, AL137478, I33392, AF110640, AK025092, AL050149, AL110225, AL133568, AK000445, AF116610, AK025958, AL162006, AF090903, AL122093, U91329, AF090943, AK026626, AK027164, AL117460, AR079032, AF090901, AX019229, AF100931, I89931, AL137557, AB048953, E05822, E06743, AK025414, AL133113, AR013797, AL162083, AF113677, AB048964, Y11254, AL133016, AL442082, AK026534, AF119894, AK025391, AK026045, AF143723, AB047904, AF116646, AK027116, AF017437, AK000083, AK026744, AF130099, AL442072, D83032, AF116691, AF069506, AK026784, AF111849, AF130087, AF130075, U80742, AL050092, AK026600, E01614, E13364, AK026947, AF116688, AL353957, AF090896, AR038854, AR087170, AK024588, AK026480, AF119909, AL133075, AL137527, AL050393, AL389935, AK025491, D16301, AL110221, AF242189, AK026434, AL096744, AK025339, AJ242859, AK026417, AL050108, AF130110, AL133606, AJ005690, AL080074, AF000301, AX006092, A08912, AL050277, AF091084, AF218031, AF113699, AL359596, AL110296, AF079763, AL137550, AK026630, AL133080, AF090886, AF260566, U35846, AF175983, AL162004, AB051158, AL137488, S61953, AL110197, AK027204, A07647, AF130077, AL117435, A03736, AL137480, AJ006417, AB048954, AL133067, AF218014, AL049382, AL117626, AK026959, AF210052, Z82022, AL359601, AL353940, AF146568, AF113691, X63574, AF116644, AK026593, AF119865, AK026649, AL137429, AK027096, AL049938, AB047887, AB041801, AK000432, U58996, AK025084, AF176651, AK026741, X84990, AF017152, Y09972, L31396, AL133565, L31397, AF230496, AL080124, AL162002, AL117648, AL137523, AK024524, X72387, AF118094, S36676, AL049430, AB050410, AL050172, AB044547, AB052200, AK000618, AJ003118, AK026532, AB048994, AF130055, AK026522, AF225424, AR070212, AK000323, R2588I, R34259, H28436, H59690, H61492, H77699, N91800, AA028988, AA057879, AA418359, C01863, C17456, C18297, AA096264, AA598999, AA669967, AA670244, AA599439, AA853846, AA852638, AI270009, AI270348, AI273845, AI445502, AI431426, AI440217, AI560603, AI567708, AI582564, AI589733, AI597769, AI619460, AI640716, AI676245, AI682755, AI689101, AI700156, AI701238, AI701309, AI865958, AI890914, AI802545, AI926075, AI950602, AW005959, AW026619, AW085893, AW072980, AW241156, AW241350, AW270715, AW272739, AW190329, and AW304411. AL522719, AL530045, AL526479, AL526439, AL515639, AL515638, AL529665, AL521252, AL527656, BE797221, BE795409, BE798654, BE796334, BG252121, BE277057, AI608756, BE300022, BE513242, AU142632, AU117922, BF527825, BE561443, AU142525, AU122446, BE263145, AW301066, BE260541, BE798136, BE560713, BF527824, BE267445, AL522718, AL527657, AU124297, BF308205, BE877379, BF308460, AU132733, BE255304, BE265023,

HCDBO02	236	990609	1 - 4074	15 - 4088	

BF338557, BF311379, BE513266, AU143692, BE562356, BE266414, BF791652, AI871376, BG249877, BE252210, BE264799, BE408400, BE560193, BE261710, BE396895, BE270104, BE867864, BG178512, BF239109, AI830886, BE396681, BE259458, BG165211, BE734141, BE734126, BE207184, AA573807, AI740482, AI338751, BE781372, BF203820, BE268015, BE787248, BE263802, AL525542, AI885121, BG110234, BE257792, BE544608, AA447235, BE905647, BE868675, BE780731, BE397152, AW129744, BE265464, AI129649, BE301587, BG178916, BE312439, BE560731, BF314279, BE742767, BE263992, AW438577, AA725787, BE266879, AI801359, AI565977, BE797493, BE251518, BE513287, BE018099, AI620805, AL518102, BE269017, AA442442, AL520286, AW732809, AI742805, BF308773, AW732602, BE261036, BE207766, AL531590, BG057267, AI150910, BE257550, AU148023, BE537984, BE259753, BF309159, BE266451, BE536801, AI953963, AI500189, AU159821, AA622716, BF243410, BE280053, BE206068, AA596071, AL522546, AW615606, AU159905, BF310290, AA216618, AU144612, BE538791, BF434627, BG027742, AI269576, BE267985, AI951507, BE396672, BE560172, AW613609, BE872243, AA308584, BE786769, BF342073, AI263957, BF203409, AA780318, BF541493, AW250471, BE544706, AI261521, AW136755, AA991652, AI364136, AL522158, AA527403, AI949019, BF337390, AU154207, AW997142, AW246783, BE549070, AA515546, AA777218, AW068675, AI750812, AA531576, W79142, BG169776, T07967, BE388369, AA618047, BG122861, AW967352, BG106404, BE542621, BF983668, BG152442, AI750813, BE207907, AA991316, BE264179, BE787043, AW068676, BF965929, AI362607, BF203257, BF794760, BF109494, BE260326, AW250648, H17358, BE905945, AA829407, BF803055, AA026075, AI863663, AW967344, BE296537, AI765992, W74467, BF307300, AW204975, H17329, T64828, BE538072, AA037689, BE396430, BE257803, AI554637, AA099454, AA728940, AI695828, AA025484, BE257493, AA514445, AI933819, AA216653, BE304389, F03991, AA099453, AI263968, W84554, AA037688, BF345235, AI928562, BE296004, AI872605, AW050510, AA931240, AW733072, AI075343, AI096553, AA578192, T07966, AI868619, F12115, M77836, AF218000, AK001508, AL117348, R13411, R40922, AA514410, AA805032, D12335, F07737, F09753, AI284144, AW051080, and AW194659.

AU118049, BF027266, BE897159, BF975497, AI690844, BE619812, AU116976, AI683350, AU123898, AI638817, AI299947, AW851296, BE619491, AW080261, AW003342, BG261217, BE550518, BF435624, BE540593, AW604148, AW604144, AU133706, AA923370, AW604156, AW604159, AI963937, BE903781, AW994444, AI355003, BG251375, BF795838, BE142887, BE898687, BG031003, AW503445, AW769245, BE391639, BG250064, AW593387, BE387364, BE735143, AW390271, BE538744, BE885670, BE885477, BG179338, BE548753, AW117969, AW513655, AI827494, BE281406, BG257886, AW589828, BE537306, AW264359, AU149292, AW604151, BF342540, BF591073, BE901079, AI570870, AA812088, BE166616, AU148669, AI372056, AI339216, AW367000, AI188999, BE148064, AA948067,

					Accession Numbers
					AW604149, BF839031, AU154938, AU153971, AA836773, AI493577, AU153566, AW993157, BG250078, BF744791, AU151304, AA761758, AW995371, BF744844, AU152202, AW847704, AU153888, BF092653, AI675857, AI184771, AA179457, AW003152, AI990217, H19003, AA504941, AW590316, AA070388, AW672834, W53038, BF841602, AW847896, W92140, AW847702, AW501244, AU144708, BE502430, BE541205, N47220, AA135935, AU149971, BF593592, BF735818, AW367659, BG167391, AA825894, AW439957, AA057121, AW967460, AU156419, BF734912, AW367051, BE813981, AA613786, BE540668, AA490747, AW137950, BF735667, BE779777, BF331974, AA127605, BE539649, BE768593, BE539217, AA070501, AW020724, AW499499, AA687281, AV706637, BF115225, AW847823, AW847822, BF735590, AI687479, AA507071, AW847872, AW847691, R22838, BF734963, AI825181, BF088244, BE888984, AW401643, BE768486, AA514379, AW503098, BE181260, T67874, BE768481, AA491234, AW385423, BF092091, AW500130, AI638673, T68025, AW605375, AW385429, BF088242, AW379044, W92280, BE081856, BF811064, R49406, AI696234, AW604157, R31617, AW577480, T85725, AI907376, D29124, AI128318, AW500057, R51841, AA452989, BF667348, AA136233, AW801921, BF665767, BE539407, AW235429, AI907419, AA441844, BE772678, AW505012, BG261355, AA834905, BE543530, BE142870, AA234482, AA774790, AI907415, N47219, AA092197, AI907416, AI907420, BE081567, AW751564, N45569, BG178091, BF907447, AA057860, AI803505, AI907362, BF918061, AI569199, BF593197, AA507072, BE005238, AA504889, BE142834, AA082596, AB020636, AF157326, E12829, D87671, AK001791, AK000976, AL133560, Z60091, and Z60090.
HODGN92	237	990611	1 - 492	15 - 506	AI114709, and BF515175.
HPDRP30	238	990751	1 - 2150	15 - 2164	BE736233, BE393462, BF979620, BG180451, BG031119, BE895899, AW015154, AI367256, BG250616, AW246035, BF589766, AA723883, AI339548, AI148428, AW518892, AI874244, AI339560, AW003788, AI653700, AA777268, AI261244, BE906120, AA847296, AW007179, BE293221, AW173770, AI346957, AI475948, AI143349, T65504, AI814098, RS2652, AI339729, H39618, BE545311, F13535, BF980260, AV652617, and AL122073.
HBXFN09	239	990769	1 - 234	15 - 248	AA034059, BG169883, and AW998693.
HDTBO75	240	990913	1 - 455	15 - 469	AV752559, BE041424, AI374803, AV662297, W92499, AA431153, AW977181, BF439568, AA678183, AW834968, AW834907, AW837310, AA885002, BG028110, AA732329, AA732727, BF242398, AA432173, AW176741, AW580372, N55761, BF982207, AW241399, BF224093, AW970314, BF507800, AW970227, AA628895, AA766833, AA534395, N32238, AA347608, AW189247, R49979, N31980, AI650721, AI685214, AW511372, BG257682, BE549817, BG252929, BG167830, BG029667, BG113493, BF795712, AL039390, BF796402, BG261260, BG113712, BG163646, AL046681, BG178532, BG180295, BF968504, BG167093, BG114865, BF345716, BG111831, BF971261, BF965904, BG179586, BG111590, BG036465, BF968622, BG251851, BG165260, BG176936, BG104735, BG108452, BG035330, BF794212,

				BG164752, BG033403, BF347093, BG029194, BG176609, BF797998, BF983875, BG249858, BG036550, BG251257, AL046137, BF527274, BG111916, BF792586, BG030750, BG252019, BG181100, BG169376, BG024457, BG166490, BG180788, BG029128, BG261116, BG111100, BG028216, BG122277, BG171463, BF797137, BG119543, BF970425, BG180200, BG251476, BG178146, BF968453, AI249936, BG251076, AL042551, BG259829, BG115045, BG167751, BF797072, BG178879, BG165043, BE783067, BG257535, AA298135, BG120398, BG030516, BG259587, BF527413, BG114012, BG034554, BG180046, BF526526, BG110517, BG252778, BG120046, BG035653, BG110518, BF969185, BG168672, BG171608, BG169249, BG169238, BG106515, BG027368, BF339484, BG114853, BG105318, BG116926, BE618455, BG171701, BF981492, AL045166, BE464688, AA938721, BG168889, AF065391, AK023252, AF013965, AF013966, AF013967, AF065392, AL133076, AL133074, AX040958, AX041002, AX040974, AL133655, U30290, and E13998.
HELGN26	241	991014	1 - 1609	15 - 1623	BF970582, BF971269, BG035858, BG170653, AA527442, BF032717, BG255093, BF684481, BE304332, BF312957, BE740090, AI651618, AI700966, BE616023, BF439777, BE218172, BG259712, BF223565, AW328638, AW081016, BE312971, BE218745, BE880967, AW965885, AV688930, BF110536, BF223349, AI763063, AI362810, AI830364, AA602677, AI799940, BG011544, AI801971, AA653440, AI755644, AA132754, AI693639, AI538876, AA935812, AI913180, BE262105, AI590301, AA155644, AA132754, BF431624, AW237634, AI686646, AI093564, BF309857, AI355982, AV692290, BE220203, AW872403, BF431624, AW237634, AI686646, AI093564, BF309857, AI355982, AV692290, AI445763, AW328637, AW237634, BE676445, AW168151, AI720994, BE501936, BE677346, AI624773, AW004960, AW628274, BE676445, AW168151, AI720994, BE501936, BE677346, AI624773, AI038791, AI673720, AA777083, AI241965, AI083640, AW513233, R50466, BF962310, AI990564, AA121215, H30620, AA101514, W67379, AA778130, AW139256, AW514997, BE897897, AI540831, AI824615, R39429, AI291349, AW193446, AA114190, AI241095, AW193788, AW589519, AA132803, AI687589, AA358948, H28151, W31255, AA912622, AW591011, AI538118, AW075509, AW614272, BE349060, AA456143, AA780923, H46616, BF529857, W67264, AW235829, AI686256, AA308514, AI538723, AA706294, N91821, R38344, AI811489, BE833082, AW663952, AI862679, BF856265, AI478217, AW338623, T24735, BF981529, BE242914, BF970481, BE272808, AW953574, AV709660, AV709314, AV727029, AW951768, AV728518, AV709390, AV706417, AV656256, AV703169, AW954237, AV692691, AV708893, AV659322, AV708381, AV727935, AV699089, AV691080, AV661704, AV655280, AV655096, AV707753, AV708025, AV704269, AV660728, AV706721, AV687035, AV655096, AV729220, AV726816, AV695545, AV701707, AV656283, AV705280, AV698545, AV729220, AV945168, AV658863, AW955012, AV727787, AV654908, AV701914, AV705159, AW945168, AV696866, AV725920, AV704234, AV702516, AV709407, AV652001, AV651955, AV696866, AV725920, AV704234, AV702516, AV709407,

Name	SEQ	ID			Accessions
					AV728733, AV725826, AV725134, AV726156, AW954170, AV702427, AV708438, AW952007, AV683272, AV708834, AV659536, AV705384, AV728670, AW960201, AW960720, AW956894, AV709604, AV704955, AV698429, AV692972, AV685688, AV689800, AV693005, AV703168, AV701560, AV705693, AV706342, AV683443, AV701580, AW955748, AV706677, AV651519, AV702854, AV727003, AV729131, AV727526, AV692345, AV704553, AV706219, AV707541, AV701067, AV652156, AV659389, AW959980, AV659294, AV725745, AV727238, AV728471, AW956199, AW951707, AW952409, AV708091, AV693149, AV708717, AV649758, AV701759, AV707806, AV728436, AW960326, AV727819, AW953953, AW958647, AB046013, AL133215, AF123659, AF123657, AF123658, AF123655, AF123656, S68736, AX047063, AR050070, AF217994, Y08991, I89947, AA505637, and AI887473.
HODCU15	242	991048	1 - 3173	15 - 3187	BE782829, BE166336, BE893914, BF963846, AI637581, AI635627, BF956699, AW615337, BE892490, AW081066, AA398002, BF246643, BF959925, BF943255, BF352768, AV714386, AA399078, and AC046129.
HOGDI51	243	991268	1 - 962	15 - 976	BE745148, BF314775, BF313468, AW972065, AW160403, AA190647, AI468027, AA732363, AI568476, AI815528, AW015158, BE315222, AW958765, AA725374, BF446080, AA668784, BF313148, AA058590, BE741366, BE261839, AA021327, H92735, AA627547, H96373, H85956, BE843878, BF058863, AA973647, AA018467, AI240617, AA383496, AW439263, AI925892, AW162022, BE694410, AI739208, BE694382, AI336026, AL044942, and AF007872.
HLWAF02	244	991516	1 - 569	15 - 583	AA421538, AL525449, AU153711, AW964455, AW964457, AU148695, AU149818, AU147714, W72446, AI004165, AU159170, AU151493, W31068, AW874565, AA295338, AW269624, AA577265, BF764205, AW732171, AV702593, AI863050, AW003851, AI190446, BF843436, AA417216, AA483528, W74385, AW748748, AA318970, BE795181, AA872030, W76345, H26877, AW384040, AW517019, AW884747, AI469697, AI370275, BF892944, AI017646, AV690726, AL036104, H99624, AV689538, AV698770, AV691815, AI421770, BF591512, R94006, BE782006, AV689959, BE169392, AV689985, AV689953, AF004539, Z41369, F09802, AK023231, AK001371, AK026645, AB040885, and AK023160.
HRKPA16	245	991654	1 - 625	15 - 639	BG259737, AW194396, AA143418, AA404619, AI608754, AU154417, AI374988, N63618, AU149063, AU152646, AW966669, AU152215, AI038547, AA443610, AI690852, AA427421, AW339887, W60354, W59988, AW118447, AA349493, AI445343, AA461548, AW993204, AL121201, AA946641, H59011, AI014721, R98999, AW103224, AU157188, AI357842, AA927255, AA843235, BE467545, T64658, AA887129, AA354545, AI811399, AW072161, H21841, AA805567, H88125, H49591, AI279415, BF912456, AI621314, AW593607, AU148527, AU157952, AA665881, AW468541, BF947706, BF084343, T24715, AW406139, H88124, BE174405, AA640305, AW021674, BF914416, AI754257, AA493464, AI572680, AA610644, AW051097, BF747303, BE328286, AA177130, AV651424, AA493245,

AA633804, BF947959, AA100107, AA676462, BF084979, AA846944, BF679568, AA579417, AW875184, BG059139, BF932382, AA730530, AW962268, AV683406, AI308529, H37968, AA425283, AW847028, AA338474, AA834891, AW975434, AW501278, AI567676, AW793601, T57562, BF541501, BE974200, AA493808, AA657808, AI344906, AI318548, BF736912, AI570067, AA179364, BE244722, BE063646, AA663579, AI376687, AA492496, BG152612, AW963625, BE158554, AA584360, AI702049, AV717475, AA847341, F04635, AA604601, AA482682, AA578711, AV753446, AW238242, AI831312, BG059924, AA935827, AV652066, AI445699, AI312267, AI242236, AI174703, AW963552, N49298, AW576221, AA772493, AW963295, BF823660, AI354377, AA639040, BE139230, AA129000, AI251460, AV740548, AA524604, AA610784, AI459794, AA313025, AW192002, AA320106, R92703, AI744199, AW069110, AA587835, AA502130, R92804, AI798573, AA493546, AI538404, AV712092, AA669225, AV763460, AI499538, AI631299, AA632355, AU146789, BG180320, AI547110, AW275585, AL121039, F01616, C15966, AW339694, D38524, Z96810, L47222, AC004019, AC007666, AC000052, AL132659, AC006166, Z96182, AC005730, AB023051, AC004650, AC010463, AL035460, AP000512, L47229, AC003090, U66062, AC003999, AJ271735, AB020873, AC002351, AC009516, AC006511, AC006315, AC005393, AP001712, AC002996, AC004975, AC007746, AC005399, AC005005, AC004213, AJ251973, AC005325, AC016683, AL138756, U91326, L47227, Z73979, AC004031, AC003014, AB035195, AC005666, AL049646, AF205588, D34619, AF207550, AC011296, AP000691, AC005000, AL356299, AC008720, AC005755, AL022723, U50871, Z97183, Z69721, AC011482, AL121967, L47225, AC007272, AC008521, AL139286, AC000388, AL157760, AC011444, AK000385, AC004953, Z69366, AL031427, AP000692, AL163301, AL138836, AC018751, AC004825, AL109798, AC008812, AL353807, AL079341, AC005911, AL122015, AC004686, L81692, AJ246003, AC007632, AC008738, AL139182, AL133163, U15422, AB046832, AL035690, AC002544, AC003665, AL132866, AC002357, AC002465, AC011811, AL136441, AP000280, AC004821, AL356747, AP001725, AC011480, AC010605, AP000694, L47224, AL096814, AL117374, Z81450, AC005071, AC004652, AP000107, AP000039, Z69375, AC005899, AC005202, AP001741, AL133342, AB032485, AL035587, Z95116, AL365505, AC005856, AC005052, AC005280, AL139343, AL022336, AC011462, AL050349, AC005837, AK024314, AL121886, AL138743, AC024082, AL031311, AF196779, AL031296, AL157789, AL022726, AL050328, AC009362, AP000553, AC004254, AL109758, AL138823, AC007510, AB039887, AC010524, AP000361, AC005228, AL008634, AC004893, AC005253, AL360157, AC006468, AC006942, AC006162, AL031666, AC005529, AL033529, Z97985, Z93023, AC006261, AL008716, AC005375, AC003098, AC004882, AC009228, AC005618, U78027, AL031657, AP001715, AL357992, AF045555, AC005519, AC018719, AL138832, AC008403, AL138733, AC006079, AL009181, AF111169, AC008739, AP001629, AC003046, AL035422, AC005410, AC018633, AC004386, AC020552, U07563, AL008734, AL096840,

					AL008629, AC007160, AL133458, L47226, AC020728, AF038458, AL391297, AB000931, AC009756, AC005031, AC006146, AL031286, AC004969, AL445263, AC011450, AC006222, AL157952, AL122001, AC011491, AC005808, AC004671, AC002364, AC002310, AC005081, Z93017, AC004223, AC002477, Z98044, AC004089, AL033522, AC008760, AL049764, AL136300, AL096800, AJ229041, AL121883, AP001760, AL031281, AC006013, AC011497, AL049712, U80017, AC023430, AC008264, AD000092, AC008806, AF111167, AC002060, AC007051, AC016995, AL135978, AC005020, AL021940, AL353748, AL359554, AL033524, and N53577.
HPDQX94	246	991761	1 - 776	15 - 790	AU133068, BG109770, BE791999, BE260010, BE909913, AW195742, AV707197, BE312976, AV703890, AI088522, AW188226, BE393159, AA122237, AV751642, AA443448, W73858, AI741099, BE857070, AA724376, BE887952, AI421427, AA932230, BE073185, AI357586, BE512839, AI016288, AA115940, BF315243, N41317, AI423297, BF196664, AA843244, AI188255, AA770683, AU154475, AA913450, W73826, AI138932, N90753, AI913753, AI038148, AI127837, AI088260, AA781597, AI144232, AI363463, AA854712, AA825530, AA443313, BF239385, AI095110, W20418, W58687, W69502, AI028327, W73528, AI803249, H59104, AA933860, AA970638, BF680721, AV748822, AI128705, AA452952, W58686, AA582641, AI033287, AW263159, AV702086, H77347, AA286910, BG110576, AI301156, AV739424, AW993977, AA977957, AA825142, AW958007, AV744630, H49907, AI424203, H59143, H99044, AA971511, AA863091, AA296811, H77348, N92641, AI127018, H92900, AA884884, N30701, F30810, AA296822, AI219594, AA888566, AA962759, W73474, BF926138, BF681033, W69503, W93965, AI698882, AV750055, AA296691, W39151, AA883845, W93999, AA612823, F16300, AA565275, BF752259, BF087615, BF899291, AI884303, U77604, and I84662.
HEAAY09	247	992678	1 - 391	15 - 405	AU124283, BF306200, AU139037, T77235, AU121920, R14830, BF934985, AW403909, AW630865, AA359207, AI929350, BE552049, AU118152, AU133500, AL037780, AL037781, AW163588, AU119533, AL533231, AI342324, AL525586, AL534903, AL532560, BE082428, AL533180, AU137962, AL533149, BF307401, AW394232, BG114142, AU133890, AL517501, AW160514, AL536801, AI929125, AU126141, AU139293, AW368666, AU133708, R99660, AL532677, BE612412, AL513758, BE299128, AU135050, BE742584, AU129935, AI309542, BE886331, AW163176, BF346813, BF220002, BE512694, BF361085, AU134988, AW842087, AW842088, AW842086, BE541071, BF528575, AA178907, BE617099, BG178536, BF340570, BE891863, BF091880, BG109816, BE410513, AU140111, BF346953, AI201385, AA781408, BE894297, AU127156, BF316594, AU134195, BF528479, AA398237, AA403177, AA347489, BE897187, AA634306, BE873260, BG257621, BE891934, BF037637, BE796323, AL047517, BE890489, AA668405, BE544513, BF311830, BF529750, BE548934, BE314356, BF527194, AI018415, BE544804, AA192090, BF345146, BE539195, BE896937, AL037971, H79173, AA191007, AA160986, BF343228, AL036607, T96350, AI191902, AW246288, BE149595,

					Accession Numbers
					BF967134, BE746173, T86587, BF724976, W52305, AA159846, BF757246, AA808915, BF966188, AW163313, AA635058, AW163830, AU137163, AI879210, AU134072, BE512816, AA410907, T07973, AL533419, AW162005, BF724415, AW364192, R84319, AL036626, T09356, AL036544, AA085075, BE279666, AW162094, AI816208, AA369795, AW160383, T75456, AA204760, BE707293, BF832811, H11161, BE708222, BF335706, BE697593, BF335701, AX015399, AR075662, D38585, U35048, AJ222700, AK027071, AI138960, X62940, AF201285, L25785, and X97299.
HPDRH78	248	992780	1 - 1583	15 - 1597	AL517707, AL526969, AL534602, AL517706, BE793392, BE793400, BE798802, BE274603, BE793463, BG179834, BE796319, BE730416, BE799085, BE622275, BE797197, BE895295, BF684516, BG180391, AA313808, BF128627, BE902688, BF974046, BF309165, BF035424, BE542126, BE378892, BE279546, BE389149, BE264217, BE746282, BF980789, BE792649, AA143543, BE390945, BF939857, AA247475, BE254943, BF087367, AW602074, AA143677, AA669128, AI619455, AI885489, AW674128, T66216, AV653122, AW771167, AW673887, AW952242, W17242, AA465232, AA662828, AW156961, AI423378, C14781, AA847816, AI082555, AA064998, AI699796, AI654002, AI400301, AA976430, AA847635, BF129286, AI357386, AI371760, AA838647, AA465587, AA046948, AW083621, BE149761, AI252222, AI572527, AA907174, BF858322, AW247996, AA065085, AA366802, AI927121, AA366778, AW006612, AA001409, AL534601, BE859074, F12200, BF973830, AW904428, N89759, AI648415, BF090228, AA373821, BE936261, AI752839, AA610398, AI889695, R22510, AA383297, R22509, AI445855, D81188, D81094, C14780, F01851, D81093, AW472987, BF843018, AL037280, AW818769, AI801700, BE503553, H85986, AI251103, AW273610, F09830, AA321564, Z42323, D20815, BF747217, AA027150, BF746814, R12421, H71469, AA988870, AA835430, AI264946, T66149, AW839241, H86346, AA579666, BE538136, AV660656, AX011690, AF282851, AK000474, AP001714, AP000037, AP000105, AP000275, and AL355729.
HLMHG68	249	992900	1 - 1331	15 - 1345	BF967276, BF967822, BE675848, AI693547, AA398062, AW044341, AW117949, AW468685, AI801370, AA890730, AA778640, AW001899, AA456064, AI434131, BF508778, BE833021, AU145029, AI033982, AI826270, BG026214, AA455567, AA652457, BF108431, AI458156, AA918511, AA515452, AA631567, AA687760, AA573416, BE045477, F22701, BE546175, AA292780, AA477424, AI699125, AW770290, AA310438, AW884291, AA640186, AA290862, BE774653, AI686681, AA479585, BE881951, AA394172, AI394051, BF361999, AA291044, AA150391, BF855032, AI816954, BF737256, AA291855, BF869437, AA291733, BG259202, AL044192, AA768725, AI366983, AI701948, BF915315, AI926593, AW102900, AI345746, AI537516, AW079768, AI632981, AI608802, AI597805, AI636788, AA830821, AI050666, BF816031, AI923279, BF817746, AI951222, BF921215, BF913569, BF914101, BE393551, BE315058, AW083804, BF913568, AW129269, AW265004, AI699154, AI702540, N74355, BF305318, BE613727, BE965355, BF913615, AW301406, AI718161, AI923272,

| HODFO57 | 250. | 992973 | 1 - 2135 | 15 - 2149 | AA527880, AI674912, AV721917, AV732941, AW023469, BF814530, BF339333, AI300233, BF038804, AI285417, BE245461, BF925370, AI812057, AI801032, BE963876, AI362332, AI589993, AI824357, AI918554, BE962903, BF814429, AI677797, AW026633, AV736709, AW172723, AW151451, AI244380, BE731886, AI624475, AW190482, AI689463, AI520785, BE172499, AW168700, BF816041, AI446124, BF915316, BG110060, AI915295, AI354613, AI439097, AW404239, BF750885, BE566196, BE966340, AI636187, AI635528, AL523055, AA424741, AI749373, BE538466, BF904180, AV736456, AV736039, AA853213, AV741631, AI242411, BE294431, AI300123, BE964269, AA853539, BF764534, AI658566, AI872810, AI696626, AI680418, AI305157, AI609671, AI679916, AI950973, AI249946, BE091470, AI446110, AI365256, BE964497, AW085786, AI345677, AA713511, BF814449, AW999906, AI680504, AA713851, AI886055, AI472536, AI041019, AI312210, AI452857, BF308704, AI340533, AA852918, AI340634, AI309431, BF128459, AI364220, AI476147, AI224373, BE962570, AI287764, AI340511, AW073868, BF858085, AI334895, BE964767, AI307507, AI310927, BF815196, AI691149, AV682011, AI336488, AI336565, AI340613, AW020455, AI310930, BF133429, AI312271, AI445663, AL139349, AK021645, AC025735, AF030635, AF052157, AC006338, E03348, E03349, AC002540, AC010088, AK000568, AK026533, AK026182, A18777, AF218005, Z84467, AL137536, AR068466, AL389978, AC002432, AF067420, AF094850, AF106934, M64936, AF217988, AB047901, AB044390, AF217999, AL031295, AF141976, AK000494, AF029404, AR030544, L78810, AF027180, AL353810, AC073539, AF038191, AK026571, AK000598, AL117626, AF217994, AF053645, AL158012, AF130100, AC020904, U75370, AC024038, AL030998, Y08769, AL157360, AF110417, AK000672, U51124, AC005284, Y17327, S71381, A69673, A69681, U08374, AK000266, AR059958, S79832, AL137268, AF022363, AC026430, AL137286, AF065135, A76337, AR070212, AK025414, D83989, AL117440, AC004213, AL163152, AL158832, AK027104, AL133645, Z72491, AB041611, U96683, AC006013, D38178, AC007360, AL160412, AC010072, AL121919, AC003977, AL161804, AL035086, AC004485, AF302689, AB044560, AF197929, AK000718, AK026867, X61399, AF030165, AB050534, X75295, S70057, AF116649, AL021391, AL121828, AC010128, U69730, AL050316, AP001434, AL157694, AC006221, AL357497, AL121932, AC005353, AL033523, AC005250, and AC006336. AL521538, AU125521, BF793744, BG258951, BE796240, AU129772, BG256358, AW134800, BE253092, BE539282, BF822222, BE676509, AI884675, AI356274, AU159541, AI922366, BE676139, BF154835, AA522887, AI983195, AI652380, AA614362, AW193792, AI093421, AW474923, AA236204, BE939312, BE675234, AA131740, AL045292, BF478117, AU149161, AA781085, BE674720, AW514745, AI417244, AI093127, AW379958, AI276637, AA131671, BE252897, AW590126, AW379963, AW205128, AI289900, W28544, AA775698, BF589820, AW513803, BE257415, AA559118, AW571703, AI570252, AW630205, W56287, AW150930, BF746091, AI873877, AI813283, AI873584, BE939111, AW379959, AA256931, W20295, |

					W01952, BF592912, BF940400, AI367701, BF813651, AW510386, AW615008, AA808752, BF350176, AI689423, AI813544, BF955736, AI638124, N23992, AW803181, AW118104, R61350, AW379950, AW664515, BE166559, H95563, R98051, R9829l, AW379953, BF590870, Z44598, BF883900, AI032934, N31893, AA255440, AW135533, AI191311, AW080110, AW207573, AA765360, BF350175, BE815693, N74127, H75780, BF806805, BF900264, Z40471, BF376312, AA775773, AI784599, AI933593, AA193577, H75919, F27380, N36713, AA356015, AI191092, N90675, BE815761, H70361, T98923, T98966, C17503, BF892700, BF739337, BF847746, BF129814, AA236205, H70360, BF829897, BF903297, BF901728, BF876101, BE709109, BF890803, AW365688, BF377679, AB0232221, AK024505, and AL117517.
HOCPZ44	251	993380	1 - 970	15 - 984	BF308448, AV733716, BF667373, BF971945, BE791557, BF207166, BF685157, BF680048, BE730232, BE744787, BE257947, BF684668, BF686755, BE795339, BF032897, BG115810, BF037117, BE796212, BE512992, BF694324, BF037939, BF244980, BE793024, BF975403, AV744973, AA196804, BF733159, AA074869, AV701912, AW964407, AA308585, AI201081, W31092, AI911189, AA187442, AI332998, AA449114, AA196803, AA677398, AA652508, AI832556, AI360813, AI479643, AI371725, AI949595, AI523836, AI338226, AA583945, AI160821, AA812681, AI955259, AI272799, BE786863, AA463761, AA133351, AW105647, AI687745, AA471119, AA417906, AV756337, AI028708, AA779378, AA806308, AA719870, AI804084, AA628636, AA713507, AI076158, AA758900, AI242445, AI738876, AA513306, AI081646, AA593880, AA478598, AI192864, AI084956, AA312835, BE163110, AI189240, AI401016, AA419554, AA229993, AV709297, AI871846, AA620875, AA468096, W42538, AI094068, AA357299, AII88600, AI274502, AV742900, AII87079, BE385728, AI243176, AI284416, AA657626, AA962082, AA479333, AA463687, BF309104, AI224529, F19538, AA468083, AA468047, BE559524, AA234166, AA234913, AI804825, AA318716, AA987467, AA318396, AW795107, AA449548, AI127473, AA234914, BE717214, AA233918, AI147167, AA721050, AA469001, BE281458, AI476030, AA482379, AA385197, W42473, AW873836, AA091369, AW844269, AA383017, AW844282, AI253673, BE698022, AA969703, AW300509, BE698050, AI220722, BF819540, N44134, AJ003540, BE833240, BF374556, AA468927, AA720885, AI186421, AA872664, AA366125, BE549139, BF027226, AW794203, AA906776, AW403920, AA833536, AA887208, AL079619, AA187616, BF104085, AI371742, BF675494, Z20217, AW602656, AC006064, AF151075, AP001631, AP001748, AP002085, and A74500.
HPAMU38	252	993403	1 - 2925	15 - 2939	AL524221, BF974727, BE905660, BE906439, BF972299, BF339849, BF971432, BE871633, BG258581, BG027617, BG027987, AL043542, BE262313, BE547005, AW964993, BF129017, BE894197, BE859070, BG106537, BF304618, AA812224, BE882690, BF109975, BF541992, AI075752, BE735522, BF950143, AW408171, BG058798, N32170, AA861404, BF343941, AI859140, AA630418, AI524267, AI888719, AL043543, AI571362, BF972284, BF111665,

				C04114, AA156801, AA313773, AW205293, AA043115, BF247880, AI207802, BE440009, AW576379, AA043101, AA453761, AA634327, AA678699, AI245710, AW960346, AW058034, BF803592, AW591581, AI277733, AW627722, AW150327, AI017435, N40053, AI570224, AA453845, AA194841, AL040882, AA844300, AI348264, N27119, AW131048, BE890279, AA055993, BG258405, BE183478, AI609794, R16226, AW087971, AA922957, AI369044, BE695660, AI867565, AI433765, AI272082, AW675387, AA991779, AI027386, AA813826, BF886761, BE932119, AA652969, R33953, BF737650, AA812185, R40667, T52514, BE699787, BF738499, AI174386, AW299473, AW581376, AI219303, R49084, AW196136, AA335384, AW338156, BF766390, AI902816, AI678687, AA894712, BF932597, W25467, BF767809, BE082018, BF092448, AA055905, Z38486, BF932599, Z39153, BF947843, AA583684, T35720, AA342270, R14340, AA342269, R34547, AW952655, BE816198, AA835631, AI547240, T36205, Z43046, BF773412, BE695655, AA862578, W19316, AW150613, BF874182, AA779467, M85947, H24043, AA040511, AW177712, T52594, BF752655, BE907310, AA280528, BF089949, BF923836, BE076046, C03444, BE700242, BF507372, AA764909, AA902724, BF832691, AB018313, AC036103, AL117456, AK025334, Z47041, and T66685.
HNGGK47	253	1 - 686	15 - 700	993602	AA587109, AW813774, AW959611, AA149541, AI184943, AA283852, AA915990, AI754552, BE146143, BE146078, AA192458, AI276859, BF058388, AW968813, N25247, AA179831, R50526, BE906097, BE748870, AA489709, BF058508, BG001227, AA600248, AA149622, R50552, AI831786, H60862, BE748864, AA159263, AA912651, AV704542, AI360851, AI094704, AA151772, AA088441, AA130533, AI732442, AA130457, AA115727, AA132985, AA156548, AA100473, AA156552, AA133314, AA146791, AA115406, AA085900, AA506505, H30250, AA130431, AV705967, R50721, AA156558, AA593788, AA134890, AA160532, AA115791, AA056456, AI732411, AI144451, AW975853, AA837803, AI732210, AI732209, AA527289, BE145948, N43184, AA216639, AA233457, AA055823, AI535936, AI242047, BE146358, BG255562, AW817478, AA418333, AI264351, AI274932, Z99365, AA132266, AA155720, BE675378, H69025, AA483160, AA484178, AI685396, AI479610, AA152342, AA890486, BE146091, R78417, AA219599, AA223178, AI052113, AA100721, AA703512, AA213692, AA627379, R98355, AW593679, AA102795, AA227040, AW341960, H38219, T53321, W28465, AI762542, AA052890, AA242847, AA252138, AA134470, AA099427, AA129454, AA135403, AA102232, AA135390, AA689437, AA173762, AW129244, AW007800, AI017153, AA227186, AA548735, AA308744, AA223472, AA772499, AW854595, AA962219, AI636602, AI700160, H51291, AA055663, AA984688, AA100673, AA143593, AA528777, AA838754, AA434477, BE748279, AI949977, BF673870, AI280212, BG013985, AW969910, N66779, W25656, AW025824, AA424412, AI743039, AA135407, AW966820, BE741129, AI285813, AA405703, AA832265, AA157818, AA219559, BF816863, AA424458, AA936323, AA196784, AW967555, N71300, AW962131, AI820789,

				AI383003, AI092628, AA179929, AI301811, AW665275, AI635377, AI202935, AA355370, AW811175, AI274614, AA995447, BE878232, AW811176, T89653, AA205505, AA348524, AA554037, H69789, AA211589, AA491705, AI244923, AW593673, AW973146, AA169800, AA205463, AI261331, T67419, BF906346, BF736981, AI863156, AA206489, BE875888, AA434396, AC005392, AC008069, AL009050, AC011604, AC005549, AL355352, AC005410, AC008134, AJ133269, AL035698, AC005386, AC002066, AC017015, AL133321, AC046129, AL137800, AL355296, AC022336, AC004072, Z71183, AL136460, AC006582, AF049895, AF068862, AF172497, AF172495, AC007685, AF172496, AX035736, AF070717, AC004835, AF172500, AL136307, AX035737, AL355799, Z93403, AF172499, AC009049, AF172498, AC002984, AC004998, AC008848, AL031430, AC011500, AL139339, AL121724, AC019117, AC004823, AL035690, AC012077, AF126163, AL031542, Z83818, AL023575, AC026431, AC010267, AL020989, AC002086, AC005023, AF126164, AC073071, AL023877, AL031681, AL353674, AC010129, AC020550, AL137063, AL049796, AC005102, AC007381, AP001754, AL390210, AL035427, AL049643, AL353663, AL022068, AL358337, U96006, AC018644, AC022143, AC004032, AC004242, AL022330, AC008747, AC004896, AP001062, AP001063, AC010977, Z83826, AC008651, AL049596, AL109855, AC010636, AC008083, AC010719, AC011533, AL023095, AL117258, AC005531, AC007400, AC019172, AC008554, AF241726, AL133163, AL021940, AC007620, AP001870, AC006478, AL136418, AC011510, AL160234, AC003013, AL158828, U96072, AF198490, AC009946, AC005686, U96068, AL117341, AL022149, AC013357, AC004889, AC010168, AC007001, AL049544, AC009489, U96011, AJ291362, U69569, AL078594, AC004456, AC002448, AP000365, AC009406, AL157792, AC004690, U96061, AF108842, U96058, AC013738, AC007207, AL031668, AC004131, AF130418, AP001965, Z83820, AL033543, AF172491, AC004033, AL136101, AL133257, AF172494, AL117327, AL354696, AC013737, AP000093, AP001669, AP000237, AL133391, Z82255, AL109925, AL117372, AP001747, AP001628, AC005150, AL031767, U96057, U96071, AF108839, AL118524, AC010905, AC087090, AC004915, AL031003, AJ291353, U96056, AK026836, Z95115, AF107258, AP001706, AJ291363, AL022239, U96003, AC004455, U96046, AL138997, AP001609, L35660, AP001667, Z82243, AL442167, AL163285, AC001033, AJ291359, AC016939, AC005276, AC004078, AF172492, AC005765, AC007250, AC007566, AX035733, AL138690, AL365445, AJ291354, AF172493, D11078, U96070, AF078838, AC006539, AC006365, AJ291350, AL163246, AL118502, AC008269, U95997, AC005024, AC005612, AX008039, AC002463, AL137228, AL139340, AC008813, AC007681, AF108838, AL117378, AL136362, AC002530, AC007731, AC005500, AC007283, AB018291, AL133409, AC012150, AC012598, and AI587510.
			15 - 662	
		1 - 648		
	993754			
254				
HODGN51				AI207402, AW983839, AW983779, BE267153, AF074693, AL157598, AW813858, BE393346, BE142616, AW819892, AW819887, BE161913, BE179562, BF343443, BE062392, BE143181, BE069054, BG104743, AW820198, AL157534, AW847202, BF686579, AW811905,

AL118852, AU149172, AA128858, AII14529, AU122382, AW983740, AI920994, AW852539,
AW811815, AV711736, AU121228, BF082163, AW893700, BE065237, BE155635,
AW938300, AW811963, BE065599, BF839073, BE065597, BF980482, BF344952, BE728951,
AL532687, AW847178, W03511, AA579202, AW862582, BE549207, AW895657, AW962193,
AW811877, AW811885, AL119839, AA736433, AL079961, AV730967, AL044792,
AW854552, AI086283, BF918604, BE047760, AW887035, AW937815, AA808968, BE780820,
AV682071, BE408894, AW855467, BE781027, T07197, AA129985, BF876571, AW902213,
AW834551, BE245825, AA018943, AW861625, AW811646, H82488, AW105462, AV722355,
BF881870, AW834553, AC006399, AL034412, AC004029, AC005137, AL080239, AL022401,
AC005068, AP001960, AC018468, AC004103, AL133370, AL449163, AP002027, AL139009,
AL163278, AI229041, AP001724, AC006222, AL049844, AC007282, AL163284, AL121867,
AL356913, AF036876, AF003625, AL133417, AL137157, AC009241, Z95126, AC002067,
Z99572, AC008912, AP001669, AC004478, AF274857, Z99289, AC004388, AL354653,
X87344, AC005999, AP000127, AP000205, AC002367, AC005491, AL096827, AF241733,
AC016831, AL445189, AC009949, AL132827, AC002071, AC024153, Z97198, AL049792,
AC006484, AC020755, AL135926, AC010719, AL022578, AC026197, AC003091, AC004994,
AL121757, AP001709, AC007313, AC004911, AC003081, AL049778, AL133247, AL109759,
AL132668, AL117340, AL049176, AL391294, AC020637, AL135922, AC010235, AC005018,
AC006249, U96409, AC004128, Z83848, AL360270, AL117347, AC011362, AL096829,
AP002026, AC006054, AC008509, AL009176, AL049823, AL360174, AL157375, AP001331,
Z95325, AC005588, Z83850, AL355530, AC010198, AL391689, AC005352, AC005823,
AP002532, AL049838, AP001760, AL049565, AL035246, AL121986, AB014085, AC006313,
AL049875, AL035423, AL117191, AL009028, AL034370, AC004187, AL445306, AL050308,
AC008583, AC007731, AL136372, AL079303, AL133241, AC005500, AL021069, AC009404,
AL163280, AF055066, AL022399, AL031074, AL354977, AL157837, AP000515, AC007514,
AL137016, AC009514, AL121882, AC010685, AC006478, AC011890, AL122003, AL354685,
AL135786, AL022100, Z83745, AL109934, AF110324, AB045358, AL356513, AC004852,
Z98753, AL157413, AC007364, AL354750, AC003106, AC087085, AL031965, AC009505,
AC012000, AC005873, AC023510, AC009508, AL356473, AC018513, AL390237, AC008770,
AC025614, AL031054, AL135960, AJ131016, Z70050, AC007878, AC010436, AL022727,
AL355836, AC026341, AC007444, AC009229, AP001708, AC005019, AL158157, AL034410,
AC008833, AC006327, AL137015, AC005303, AL161804, AL157779, L78810, AC005539,
AC007751, AC006287, AC004973, AL034406, AL121958, AL137061, AC009430, AF235098,
AL049794, AC005024, AC024067, AC000110, AL445249, AC020603, AL121880, AC073165,
AC004043, AL356799, AL133226, AL136297, AL161905, AF003530, AC000049, AC013447,
Z82210, AC008177, AL035427, AC007528, AL022400, AC022274, AL118496, AP000493,
Z98255, AL360157, AL359715, AC002523, AC002468, AL139093, AC002426, AC078854,

HODCT60	255	1 - 673	15 - 687	AC004470, AL118505, AC034242, AC009313, AC008462, AC020717, AL163152, AL391666, and AC005739.
HAQBV81	256	1 - 813	15 - 827	T68150, AA664288, AA113062, AL045561, H63748, BE350958, BF821840, AA190633, BG120327, BF994701, AW582857, and AW582794.
HDTGF49	257	1 - 1643	15 - 1657	BF516217, AV732160, R83419, BG255616, BE171964, F27801, BG253577, AW474317, BE162826, AV755592, and AK002081.
HOGBN62	258	1 - 642	15 - 656	W68274, AI073484, BE543503, AL524870, AL528375, AL524871, AL529901, AL528409, AA528652, T58395, T58350, AI242994, AL048969, AA713712, BE154526, BE154518, BG111530, AA569631, AA484658, AW275432, AI269832, H90845, AW263396, AI523991, F13773, W03981, AA129133, BE154459, AA526426, AW855982, BE158756, BE158799, AA988320, AI768952, AA348511, AA569586, AW885762, AA224238, AA489571, BF876739, BF877700, AA283455, BF877694, AA934825, AW974136, BF978936, BG058309, AA210951, AW833189, BF977345, BE154446, AA069473, AW238386, AI611736, BE154584, BE154524, AA368073, AA599710, AA368633, AI369977, AA708889, AL134280, AA557764, AA372884, BE179742, AW438765, BF992129, BE739174, AA664942, BF810146, F00818, AW817905, BF244176, AA714276, BG006133, AI819525, AA720531, AA908331, AI378950, AA601237, AA910680, AW387775, BE179910, AW387778, AW572140, BF978162, AI500563, AA411171, BF691653, AW769859, AI354388, BF833448, AA635135, AW510403, AW473996, BE961047, AW409710, AV739833, AI690379, AV695910, AW410354, BF212465, BE870750, BF571687, BF978010, BF691393, F01694, BE777501, BF977222, BF978508, BF691774, BF211406, BF238352, BF979045, BF690603, BE961172, BF692655, BF572980, BF184128, BF571004, BF184981, BF692099, BE777568, BF692045, AA581352, AW820694, BG110818, AA993041, AA584133, AA594072, AA599115, AA599143, T50205, F00112, T84169, BE888068, AA828062, BE147527, AA669985, AA297199, BF762987, AW087537, BF213033, W02403, AI870453, AI919048, H70469, AA719201, AI831171, AA381216, AA101744, AA744084, BF676352, AA512999, T87481, F29968, BE002881, AJ230815, BF803608, BE154517, AA745459, BF921846, AA744068, AA745533, R51854, AV694805, AW272389, AV745393, AA477103, AA639040, BF957365, BF915592, N58546, D29424, AI869406, AA985240, AW004922, BF831769, AL048090, AW192199, AW571499, T50255, BE886807, BE302658, AW439867, AA584814, BF917819, AI984742, BF879039, AA568127, H60396, AI635245, AL039669, AA525753, AA569474, AW387786, AC022392, AL359339, AK023436, AX048077, AF132952, AC005154, AC002449, AC011290, AL031985, AL008628, Z70289, AL161938, AC012099, AC006028, AC006578, AC005520, AF196969, AC007487, AL031575, AL109843, AL030996, AC004914, AC005697, AC010582, AL159985, AL035405, U95739, AL161670, AC004980, AC005831, AC000120, AC078899, AP001409, AF008243, AP001417, AP000160, AP000018, AC005899, AP001635, AL033543, AC009312,

					Accession Numbers
					AC004031, U78027, U80460, AL035422, AL353804, AL133448, AC004084, AC006345, AL050318, AL121981, AL121753, AL359954, AL022333, AP000317, AP000119, AP000051, AP000166, AL355515, AL354872, AL008720, AL022401, AP001719, AL354680, AL162742, AL109743, AP000337, AL023694, AC020916, M89651, Z84486, AL031774, AC007560, AL035689, AL034380, AL121749, AL158198, AC006040, AC005701, AE000661, AC007421, AC008115, AL049851, AC005620, Z82178, AL031293, AL121969, AC008897, Z82214, AC005968, AC009247, AC083864, AL136131, AC005618, AL079352, AL365475, AC002365, AF064861, A58551, U00921, AL356414, Y14768, AL136228, AC004596, AP000505, AC002090, AF129756, AL445590, AP011055, AL441887, AP000252, AL008725, AP000030, AP000212, AP000134, AC021752, AC006509, AL118510, AL033521, AC007993, AL133229, AC009194, AC008733, AP001711, AL035652, AP000348, AC008599, AC010363, AC004593, AC024561, Z99716, AC002991, AL035682, AC006009, AC022428, AC007129, AC004991, AC003007, AC000025, AC004033, AC005913, AC005527, AL008627, AC008753, AL049712, AL031847, AL359846, AC007731, AC005500, AC005632, AL355497, AC005529, AL137475, Z98882, AC011523, AP000279, AC005156, AC004775, AC010605, AP000289, AP000038, AP000106, AP000042, AP000110, AL136166, AC003012, AL121829, AC006502, AL078594, AC020908, AL109758, AC007383, AL133246, AF243527, AC007344, AL163279, AL137230, AC000115, AC004693, Z82246, AC010129, AC004211, AP000496, AL031729, AL135786, AC018712, U85195, AC002369, AL050325, U75285, AL035046, AL049822, AL357560, AC006505, Z49237, AC011521, Z82248, AD000091, AC005523, U81031, AC000028, AP000228, AC004950, AC005841, AP000140, AC005228, AL096763, AC022143, AC002074, AC008162, AC010305, Z97632, AL133517, AC008623, Z97054, AC010627, AC004056, AC010491, AC078833, AL021398, AL109925, AC003682, AC004112, AL035070, AC010620, AC008747, AP000088, AC005531, AL135924, AC009225, AP000555, AC019172, AC005084, AF111169, AC023481, AL049776, AC009086, AC007450, AC006449, AP001694, AL136081, AL390039, AF208488, AF111167, AE000658, AL359433, AL035494, AL121833, and AL117381.
HSKGR42	259	994234	1 - 536	15 - 550	BF665644, BE617899, AW975289, AW370221, BF700281, AU154495, BF334587, AW673900, AA648105, AA186588, AV758959, AI858160, BF088091, BF694157, AA659697, BF131572, AA134338, AI914719, BG117553, N71529, AU155727, AA120820, AW363311, N22162, BE617450, BF155707, BE168417, BE879249, AU128878, AW996843, BG261212, AW576295, AW268074, AI343171, AI311237, AI335437, AI344929, AW274348, AI336661, BF239659, BF082539, BF438758, AI741448, BF108773, W73136, BE005344, BF829286, W73116, AI251367, AK000741, AK001701, AK001452, AK023438, and AF086334.
HOEBQ85	260	994356	1 - 1053	15 - 1067	BF980115, AI056683, AW071598, AA393981, BE350760, BF508825, AA053954, BF048405, AA397906, AI336420, AI022052, BE253405, AA007404, AI090549, AI147131, AI298335, N69649, AW627842, AA723269, AI671126, AL043975, W58502, AI051785, AI670024,

HOPJG01	261	994536	1 - 1376	15 - 1390	AA639760, AL043976, BE410449, BE220726, BE728986, AW628468, AA707486, BE141443, AA034435, BE141442, AW386728, AL040334, BE304515, BE302700, BE304702, BE408918, BG165005, AA478114, AK024475, AL117435, and N71204.

BE793580, BF966696, AL527978, AU142696, BG112976, BF038095, BF339980, BF346274, BF525737, BF343070, BE796871, AI660492, BE795029, BE740676, BF338457, BF342629, AW157045, AU142854, BE779472, BE791809, BF348176, BF340334, BG108431, BF341150, BE963752, BF337746, BF528606, BE799928, BE251212, BE795188, AU142971, AU123853, AA608630, BE799766, BF984658, BE793148, BG178895, AU142368, AU142683, BF313309, BF435460, BG026841, BF680862, AW163707, AI929171, BE293477, BE799635, BE871928, BE207262, AW276503, BE382663, BG056162, BF205980, AI858505, BF311248, AW250342, BG035351, AU119034, AI573104, AU132674, AW247120, BG056369, BE207051, AI566557, AA126454, BE293760, BF340125, BF343144, AU143052, BF341561, AA194148, BF206123, BE206913, BF317056, BE907374, BE249879, AA582085, BE907893, BF310434, AI887640, AW615498, AW245039, BE260787, BE618820, AI880285, BE791120, AI859252, BF526752, AU123414, BE464593, AA778344, BF316388, BE253881, AW157606, BG059864, AI418820, BF434994, AI360942, BE788830, AI097502, BE798646, AA770622, BF337854, AW087978, AI921292, BE348883, BE546108, AW732146, AI653881, BG059738, AI023190, BE792435, AA194087, AA595219, AI025155, AU159706, AI085502, AA911630, AA744512, BE973865, AA534937, AA743675, BE262210, AI421284, AA581421, BE545834, AA604154, AA609450, AU145465, BE206914, AW163012, AU160213, AA552532, AU129356, AI929749, AA541593, AI363424, AA434310, AA069319, AI359872, AA968682, AA526861, AU160054, BE312609, AA621196, AW328427, AW384946, AA565564, AI460077, AI929377, AV709913, AA100233, AW163104, AI083875, AI344608, AA682988, AW072500, AI241695, AI366155, AA931506, BF344959, AI340434, AI927283, BF568570, AW248160, BF344603, AA011195, AI459660, AA689477, AI342248, BE858289, AA132540, BF966506, BF958070, AI298268, BE253399, AA635801, AW751546, AA995595, BE390802, AI089995, BF725281, AI282676, AW604964, AI719470, AA583085, AA593293, BF315079, AA729139, AA069373, AI940441, D54574, AW384914, BE671540, AA340245, AW848886, AI003397, D54696, AA156911, AI312413, AA427771, AI167483, BF822526, AI334066, AA130945, AI758341, AI348853, AI701237, BG056893, D55009, AW578066, W07297, AW604991, BE617959, AI869294, AA854599, W27359, BF057992, BF718433, BF718300, AI184838, AA814125, AA088243, AA984724, W32696, AA856797, AA397722, AI858542, BF951374, AA811595, AI266757, BF945422, W32697, AA975437, AA508200, AA156608, AA135907, AI051113, AA017372, AW604994, AA641157, BF945444, BF945443, AA903069, H49325, AI345697, BE252817, AI056127, AW374724, L47647, M16364, M16451, AR084972, M11306, M13453, M14400, M57664, M74147, M74148, X15334, M18668, M74149, K02831, M11660, AF120106, M10012, X00954, AF274307, X53859, AC005781, AC007225, M60806, X96403, M21243, X96402, M21242,

| | 262 | 994596 | 1 - 655 | M21237, M22355, AF018084, M21240, M21238, M21239, M21241, M21491, M22356, AF207866, R14011, R41340, R51208, H14148, H16207, H16512, H16655, H18442, H18550, H20533, H46927, H46928, R82967, R99124, H49324, H83313, H83312, H83484, H83485, H96118, N40532, N47865, N51127, N74303, N78614, W04673, W05212, W21084, W31774, W96361, AA015650, AA015651, AA015936, AA017373, AA100232, AA100627, AA120928, AA133581, AA133703, AA130769, AA132663, AA132970, AA151777, AA149785, AA156941, AA235637, AA470436, AA507320, AA524876, AA533870, AA548911, AA552182, AA555270, AA586384, AA614776, AA580039, AA665143, AA689534, AA894557, AA962474, AA983703, AA989414, W22984, W27471, C03620, AA205651, AA670322, Z19622, F22810, AA679110, AA704375, AA708228, AA719642, AA757448, AA846887, AA846886, AA860613, AI003317, AI003680, F04008, F07760, AA702641, AI309946, AI345327, AI349187, AI345761, AI199481, AI130751, AI148054, AI190828, AI201601, AI313484, AI682167, AI796604, AI914787, AI984300, AW191863, and AW339775. |
| HKBAK06 | | | 15 - 669 | AA292552, BE569091, AA001348, BG034403, BF680183, BF982202, BF972408, AU134714, BG255510, BF038517, BE382500, BG117853, BE267636, AU133407, AA082436, BE780204, BE535736, W44552, AU122890, BF204311, BF972973, AA081745, BF026531, AU127144, BG029609, BE904738, AU122938, BF242872, BF309946, AW960304, BE297387, BE883368, BE261919, BF033958, BE897037, BF212585, AA158070, BE569085, AA292753, AA476873, BE884804, BE269819, BE900753, BE314366, BE786840, BF035084, BF726787, AA926959, AA177048, AI719075, BE279271, BE778624, AA469909, N49786, BE706261, BE972278, AV685130, AV713469, AV714168, AV687846, BF246905, AU126674, H77575, R97470, AA037172, BG104737, AA908783, AV714475, AI935150, AA926960, W76521, BG249990, BE892033, W04339, AA405677, BE255916, BG104736, AI857576, BG179540, AV698081, R98127, AA293140, AV692796, AW662396, AA910644, AW514667, AA584410, AA889955, AA459522, AV716974, AW371701, AA583187, H78746, AW371667, AI828996, BE903886, AI865147, T55938, R75953, BF910357, W21526, W72395, AI422691, H03265, T77589, H83186, AW069734, AW613002, BE566245, W25243, BG033485, AA872039, AA527773, BF746365, AI423153, AA776920, H72525, R99156, AW104725, H03513, AW024595, AA100926, N31428, AW262230, AA621337, AW972459, AI204630, T88980, BF900364, T29812, H98460, AA772418, BE909377, BF205360, AU154749, AW886710, BF900351, AA662522, AA282997, H42079, W80565, BF507531, W95096, W24270, AI630359, AI459432, AI033892, W25071, AI423513, R54703, AI090262, AI831360, AI312104, AI804532, AA627684, N95210, AA769633, AA617681, W25611, AA416871, AI094597, AW391855, AI139549, AA633648, AI075239, AI339996, AI991988, AA740817, AA701623, N78215, AA129784, AA399239, N86396, AI362835, AI034317, AI336880, H99551, N83673, AA480310, AI989380, AU149836, AA643280, AA932124, AU117372, BF793467, N92892, |

					Accession Numbers
					AI911822, AI085351, BF795654, BF514270, AV748036, AA978045, AI078708, AI146955, AI348243, AA876046, AI085031, AA507454, BE270172, AI494230, AA962596, W44561, AI492600, AI278887, AI041437, AU155591, T99630, W80435, AA765850, W95095, BE893793, BF752229, AA157451, N24127, AI361128, AA910586, AA235549, AI537692, AI346618, H47725, AW589407, BF108854, AW300758, AA459292, AA001979, N59755, AA398727, AI129015, BF792285, AA954344, H75312, X54941, AC005913, AB025409, and AC008473.
HKGCN61	263	1 - 1002	994664	15 - 1016	AL526805, AL532675, BF568818, BF975676, BE378603, BE275224, AI924198, AA643194, AI309624, BF568408, BE908971, BF568499, BE385963, BF971390, BE262270, AI954015, BE389035, BF317394, AI862773, BE384108, BF316998, AW954240, BG255355, BE387330, BF215641, AI300492, AV705042, AI571484, AI708237, BE267988, AA772150, AL526773, AI963066, BE265217, AW583307, BE267984, BF207808, BE885366, AW082898, AI554351, AA905048, BG058692, BE858566, BF431959, BG031824, AW873616, AA484736, AI243757, AI924677, AW304210, AA056581, AW328052, BE386932, AI887613, N52247, AW015277, BF726042, AA037075, AI092433, AW583724, AW070340, AA446995, AI096768, AI039582, AU143962, AW021398, N39299, BF216019, AA682891, AA897545, AI241411, AA468723, AI027327, AA503806, BF569049, AA834926, AA902862, AW328127, AI091496, BE676690, AI376786, BF337861, R91343, AA448467, AA609074, AI358828, AA651870, AA143139, AA052970, AA911153, AW241215, AW290993, AI804639, AA001193, AW020020, AI024157, AW572581, AI866825, AW016319, BE907946, AW021471, AA805372, AW015233, H82552, AI400288, AA917723, AA938524, AV750655, AI037929, BE088452, AI673478, AA533610, AI290857, AW769953, W67130, R97256, AA904951, AW340505, H22433, AA053447, AI310161, F24749, BE185312, F19447, BE242972, AV746492, F28239, AA365755, H87901, H56065, F31714, AA969644, AI287714, N34577, AV660944, AW328053, R55213, AW028384, AA506078, AI050822, AA843353, AW572594, AA296650, AW884694, AI041792, W67129, AI357504, AA056685, BE677849, T84900, AI915408, AI678129, R55210, AI311793, R97020, AW151468, AI005405, AI393159, T91318, AI798212, AA770285, N91398, T55560, AA143379, BE170083, AA809332, BG010512, AA934707, N45147, AI282846, AA968881, H40291, H18341, BG029457, H38979, AW805564, BE936154, N69370, BF155976, N53131, AI918485, BF155969, BF155973, H87357, BF155972, T25428, BE938005, BF831914, AA588800, AI005569, AA885911, BE242874, BF088463, H56260, AU126287, AA889514, BE702510, BF957306, H22470, AA453054, H46707, BE185337, H39174, D20650, AK000574, AX015413, U47101, AY009128, AK022758, AY009127, AC008119, and AC007793.
HTXDY55	264	1 - 276	994699	15 - 290	BE241618, BF967213, AU136610, BF980823, BG167993, BE904497, BG166879, AA316320, BG108260, BF032916, BE219939, AA429187, AA446365, BE327680, AA121059, AI681670, AW651689, BG028658, AL523554, AI929475, BF210951, AI984608, AW367123, AA262627

HFOYI37	265	994776	1 - 739	15 - 753	BF966433, AF035606, AK001917, and U58773. BG109766, BG105926, BF692516, BF664251, BF688436, BE875390, BG109747, BG035909, BF970556, AW250576, BE900583, BG026679, BE878884, BF794165, BF976452, BE736120, BG031147, BE729357, BE877578, BE795468, BF688232, BE746139, BF245353, BF338554, BF244479, BG036485, BF982066, BF313910, BF036466, BG109842, BF791758, BG034461, BG117069, BF792758, BG114839, BG033722, BE886095, BG171042, BE257620, BF307047, BE735602, BE299813, BF342847, AV701221, BF663327, BE900645, BG251353, BF727139, AV743879, BE874785, BF983850, BG112494, BF793074, BF965863, BF663279, BG036333, AI751041, BE727591, BE889746, BG031486, AV734449, BE544132, BE254377, BG029536, BE270481, BF965283, AL535797, BG107168, BG258064, BE267387, BE872741, BE738044, AV752441, BE270455, BF797372, BF036710, BG113386, BF964816, BE786378, BE879576, BE904807, BG025904, AW014150, BF965061, BE728776, BE883341, BE260961, BF126057, BF907972, BF718407, BE905940, BE905659, BF239138, BF718612, BG122417, BG256185, BE728227, BE312855, BF240138, BF242457, AA642852, BE880883, BF718532, BE538681, AA307553, BE538643, BG029238, BF681352, AV743427, BE787767, AW327840, BF212711, BF214381, BE906403, BG120301, BF038389, BF032831, BF689246, AA308582, BE884573, BE568338, BG112395, BF718776, AA316955, BE737786, AA535287, BF102789, BE881558, AA316284, AA308670, BE874983, AA316553, BF718683, BF029119, D56272, BE737963, BG115963, AV739694, D51124, BE565428, BE738399, AV738913, AV712380, BF718622, BE784801, BE877028, BE865693, BG169727, F20819, BE298062, BF211274, BF315518, T27636, F24452, BE739645, BE738206, AW068298, BE261442, BE738273, BG034437, F37402, BF571319, BE395762, BF310625, BF697600, BE313174, BF244308, BF303726, F25324, F20636, AW957333, BE563923, BF303651, AA146868, BG110622, AA315892, N77939, BF571305, BF718598, F33134, BF125885, BE960878, AV738228, AW408000, BF210245, BF029247, AW327881, BF700470, F20282, BF238356, BF245722, F30691, AV710336, F30820, AV738364, BE906206, F27818, AA306499, BF215958, AL036559, AW404866, BE790264, BE277269, AA143290, AV724929, BF212390, AA157054, BF796856, BE277011, BE514876, BE389163, W03894, BF215956, AA385201, F24576, F28257, AA501970, AW022377, AV708457, AA533618, BF718795, F32109, BF055644, BF240053, F32578, BF238936, F30162, AA179118, AW021281, F31767, BF185361, BF791484, BE258863, AW020382, F26077, AI309282, BF669141, F31195, F26670, BE734016, AI525222, F31722, F22445, F27271, BE739184, H02747, AW518445, AW328274, F27843, AW024028, D14530, AC010598, AC005406, X77398, AB007158, AX046357, AR066494, AR060234, AR069079, AR043113, and AA541570.
HOFNL18	266	994874	1 - 393	15 - 407	BF982594, AA304945, BE786293, AA355289, BE882518, BG164113, BG036187, AW945552, AL522242, AL521727, BF345678, AL533751, BE018492, AA312114, BF210611, BE886709, AA495817, BF002097, W72340, BF968410, AA477457, N79824, AI669118, AI245484,

HOFNT57	267	994954	1 - 1163	15 - 1177	AI372958, AW079905, N21556, AI093765, AW450650, AA099228, R56490, H15484, AW451773, BE466523, BF448069, AW236015, AW466866, BF591093, AL080166, and AL031432.
					AU130186, AL532858, AU143566, BG032538, BE731387, BG178926, BF246251, BE546764, AI130008, BE882058, BE900653, BE901813, BF131040, AW238927, BE278958, BE280397, AA146802, BG258310, BE280706, AA037291, BF130537, AW408060, BF671218, AA281910, BE958235, AW958055, BE958177, BE281535, AA304757, BF698291, BF082842, BF667061, AI378241, AA304345, BF155007, BE855677, BF196802, AA380691, AW963766, AA878646, AI702569, AW026139, AW372761, AW372751, BF733132, AI472824, AI016431, AA843477, AA887947, AI378170, AA744678, AI361091, AI081395, AW516559, AI003236, AA146803, AA767727, N34655, AI399815, AA380690, AW856740, AI080717, AA962414, AA661648, AI983339, BF476713, AW088309, AW304176, BE719113, AA961155, AW189866, and Y11651.
HCBMT45	268	994993	1 - 1656	15 - 1670	AL524032, AL520718, BF343440, BG114926, BG163566, AW749600, AI628088, BE903299, BF348876, BE902526, BF036229, AU121257, W47499, BF348874, BE070481, AW875044, AA326810, W04800, AW838268, BE671868, BF357960, BE547306, BF888235, BG114819, AW937280, AA434529, BE070427, AA004472, U92010, and AK022138.
HATDZ56	269	995200	1 - 1879	15 - 1893	AU117737, AU119363, BF981791, AII26717, AI052256, AU121212, BG165314, BE902257, BE536040, BG259893, AU142181, BF342007, BG164121, BG111390, BE898067, BG028752, AW189938, AU135622, BG118715, BF795161, BG169327, BG121236, BG028368, AW070663, AI885180, BE880899, BE881172, AA745594, BF306702, BG107907, BF740223, Z99376, BE539928, BE892210, BF220065, AI014817, BG249687, BE880172, AW239211, AI784576, AW073683, AA524748, BF528854, BF665628, AW327439, BE779442, BF792343, AW276639, BG122906, AW872951, N36799, AI608763, BE783594, BG231999, AA627848, BE546358, AW247076, BE328479, AII27547, BE614484, BG179876, AW960374, BF343168, BE093813, BE958181, AA166916, AW327258, AA568685, BE464835, Z99375, AA700740, AA740916, AU150439, BG033007, AA573156, AW631056, BG177074, AA099018, AI051506, AA074799, AA812422, BE613976, AA592898, BG114482, AA160273, AW976548, AI185757, AA503846, AA761648, AA451628, AW250428, BE958175, AII38225, AA809470, W63552, AA828239, AW517165, AW327612, AI371140, AI371046, AI004126, AI089539, BE539342, AU145724, AA127406, AI537332, AII90076, AA687268, BF381173, AA715174, BE206290, AI073676, AU128126, AA167073, AI278484, AA775540, AI923795, BE535848, AA524391, AA978034, W88636, AA768416, AI635344, AI025865, AA992622, AW403551, AA393865, AA721424, AI024400, AW362155, AA962673, AA856908, AA173982, W73908, AA314538, AI031946, AA593126, AA031733, AII67830, BE936495, AA100657, AI922493, AA888675, H83589, AU123056, R54097, BE697208, AW819111, AI380802, BE043974, AI752947, AI761093, AI033288,

HOCQI44	270	995229	1 - 715	15 - 729	
					AA506081, BE697241, AA515785, AI491801, AI953284, AA649193, AA085335, AU156182, AA127405, AA076411, AA075012, W76601, AA305905, AA450223, AI039462, BF676192, AA112634, AA889213, W74770, AA074990, AA082732, AA725074, AA565437, AA009468, BE539594, AW079297, AA099096, AA027240, BF436509, AI064753, AW341032, BE799859, BE697250, W24030, AA076267, H00352, AA173626, AI380804, AA164763, W88554, AW105351, BF819169, AA076266, AW021312, W52167, BE697248, AA693887, BF955879, BE843057, AA403080, AA031732, AI249663, R89292, R51433, H02543, N52907, BE710775, BE183483, AA113337, AI282747, AA411811, AI459951, AW327440, AA133539, BF743248, F06634, BE081646, AA933718, AI197787, BE707578, W85987, BE392490, AA160272, BF798811, AA314358, AW393147, BF798816, AW662031, C00036, AA639385, F25558, BF679367, AI696072, H02544, H71452, AA361575, AA115764, AI720134, R54151, M29536, X73836, AL031668, AC007405, AJ294707, AC010738, AL161670, AC007934, AF076927, T47873, T73141, T74664, R07722, R07723, R09847, R10017, R11641, T83787, R15278, R16766, H47662, H47972, R89293, R93621, R99520, H94038, N45959, N55602, W73014, AA009700, AA027239, AA053334, AA058648, AA076505, AA179728, AA191273, AA588847, AA628031, AA738408, AA864670, AA876048, AA903779, AA910612, AA974650, AI083791, AA127491, AA782268, AA969406, T11052, F05216, AI380120, AI201954, AI476203, AI126113, AI300209, AI686294, AI686637, AI688217, AW166745, and AW197934.
					AI831252, AI650374, BF061759, BF061760, BE797203, AI935139, BF061760, AW005769, AI417343, BF311313, AA554943, BE891954, BF685276, AI246563, BE618097, BG032880, BE397206, AI554680, BF976708, BF797333, BE744727, BE538158, BE907169, BE618643, BG164883, BE885647, AW274491, BE295294, BF237549, BE552307, AA160710, BG109868, BF594273, BE886498, AW080931, BE504728, BE559663, AI660049, BG164638, AI637467, BE900800, AU123019, AA777748, AI808876, AI380738, BF684237, AI270758, BF973412, BE895506, AA564413, BF310917, AW020646, AI281284, AI203218, AA403150, AI368831, AA401483, BE268039, AA913021, AI264541, AA305922, AA700029, AA705555, AI097153, AA430504, AA149943, N75989, BG119145, AA629934, AW966695, AA913020, AW472855, AI308917, BF981762, BE784527, AW027600, BF082396, BF974975, AA136118, BF057814, AA936828, BF082395, AA401609, AI867762, AI264545, AA974269, AA633277, T86566, AA834364, BE789276, AW263663, AI133562, BF594511, BE904898, AA596035, AA977854, AA315182, BG033608, AW016092, AW404348, AW025749, AI884737, AI250679, T86744, BF345117, N89562, BE905692, AW079637, BF762047, AI565861, R80990, AW237726, R94970, AI695116, BE901072, AW188591, AA382274, BE205766, BE550389, R95056, AI799019, AW590111, AA719022, AI909396, AI288271, AI909403, R80790, AA760768, AW970688, AI909375, AI858174, AW849952, AW807662, BF809022, AA576241, AI590646, BF082228, BE009475, BF922727, AA403208, N88948, BE926176, BE009463, BE294296,

HNOJG43	271	995562	1 - 1016	15 - 1030	W04406, BE940226, BF818730, AA705085, AA092755, BE963676, BF745587, BF756809, U73379, AL050348, AL121852, AC010326, and AR018789. BF530931, BE887433, AA700637, BG031212, BE787285, BG032265, BG250289, BE872777, BF975368, BE888350, BG259501, BG178671, BG121264, BE385572, BG025460, AU123889, BG120763, BG176849, BE018986, BG251569, BF310080, BF796217, AL040945, BE292902, BE867768, BE778230, BE313767, BE535894, AW651694, BF203366, BE885600, BE018210, AA568104, BE263239, AW244142, BE890472, AW069664, AA165235, BG029628, AA311257, BG028398, W26906, BE873320, H29111, AA379686, BF081407, AW732839, AA165234, AA379707, AW408242, H92844, AA309679, AW732846, AA355319, AW244134, AV739862, BG030885, AB040387, H17153, AA337612, BE384475, BF811815, AA079621, BE385617, AA327809, AA453327, N89415, BF757893, AV737107, BF085282, BF358015, AI904702, AI571790, BF088476, AA028062, AA028061, AW262589, AA877545, AV737069, AL040946, AA149034, AI911678, AI264209, AA582725, AA594933, AW513329, AA488110, BG231727, AW612918, BE301689, AW673154, BE208801, AI885475, BE207777, AI678902, AA879144, AA588402, AV708243, AV708606, AI904760, AW899615, AW971745, BE208405, AA617827, BE837271, AA772717, AI281987, AW804686, AW392670, BE695785, AW861944, AA612842, AL119396, AW604723, U46349, AL119355, AW858526, AW858525, AL119522, F30775, BF926800, Z99396, U46351, AW877209, AL119319, AL119457, BF858264, AW190557, F21301, BF360811, AI685800, AL119324, AI311525, AA970639, AA954246, AA151031, AW276144, AA463498, AI302605, F36969, AA971107, BE705903, AA745842, AA884129, AA613325, AA779167, AA832350, AA907225, AW615590, BE705906, AW577135, AL119483, AW372827, AW384394, AL134525, AW861889, AW858455, AW363220, AL119497, AL119484, AL119363, AL119391, AL119401, U46350, U46347, AL119443, BF868687, AL119444, U46341, AL037205, AI904745, AL119341, BF868684, BF868697, AV744583, AW604726, AL119439, BE705905, U46345, U46346, AL134538, AL119418, AL119335, AI142137, AW511430, AL134902, AL043019, AL134536, AL042544, BE705904, AL119399, AL042984, AL119496, AW861954, AI142132, AL043039, AL043033, AL042614, AL043029, AL042450, AL043011, AL042965, AL042542, AI142139, AL042975, AL119464, AL043003, Y08915, E12650, AL158141, AL049776, L31652, AF000577, AJ223156, AJ223157, AB026436, AR080280, AX046357, AR060234, AR069079, AR066494, AR054110, AJ251859, AX030435, A81671, and AJ279014.
HSPSB95	272	995590	1 - 979	15 - 993	AL523089, BE735213, BF690068, AI192441, BE793432, BE794150, AA630330, BE791668, AL523088, BE901445, BE793552, BE515306, BE276069, BF689238, BF027098, BE900126, BE562743, BE747331, BE791104, BF973064, BE733064, BE620825, AL529029, BF025872, BE311984, BE744764, AA641149, AI971403, AI049983, BE387021, BG033880, BE515093, BE796039, BG034885, BF796669, BF026756, BF685347, BG030617, BF688429, BF794151, BG117363, BG169033, BE730729, BE797697, BE728295, AI680328, BG033071, BE908570,

BE897647, BE620291, BE260615, AL529028, BF797798, BF525969, BF982573, BE898679, BE904867, BE907926, BE795057, BE729520, BG114176, BE386413, BF797731, BG120372, BF689993, BE888479, BE410285, BE728455, BE407458, BF220268, BE386506, BE731499, BE336807, BE731587, BE885785, BE906906, BE745637, BE384700, AI760301, BF407218, AA604386, BE409369, BF311123, BE274061, AI015012, BE277429, BF032190, BE293937, BE336637, BF026085, BE410671, BE797737, BE388605, BE407257, BF033167, BE543649, BF306304, BE256410, BE256962, BG167330, BE388962, AA918143, AI986290, BE390413, BE387464, BE264817, BE251052, AI683975, BE563000, BE269280, BE391823, AI214931, BE389503, BE386273, BE389623, BE792434, BG249256, BE795615, BE274148, BE386620, BE275541, BF475421, BE257356, BE905966, AW672803, AW602848, BG169737, BF127610, BE265073, AV717825, AI815059, AA582169, BE408388, BE387128, BG121830, BE298988, BE390377, BE567451, BF982307, BE044006, BE220913, BF808999, BG168940, BG170297, BE298974, BE044012, BF303707, BE313753, BE252582, AW238367, AW580022, AI559988, AW629862, BF132606, AU123096, AW613402, BE727194, BE018912, BF733020, BF306479, BE890515, AW262888, AI572946, BG169810, AI198497, AA075471, BE296465, AI129846, BE238480, AL535836, BE275853, BE732263, AI033883, AI218968, BE546366, AV721619, AW250712, AW271241, AW950763, BG171587, BE299336, BE262350, AI028000, BE394418, AW246974, BE378107, BG035074, AI041500, AI890759, AV749990, AV690777, BE389999, AA812402, AI246222, BF973869, BE786993, AI830946, BE350137, AI222875, BF687846, BF348254, AW063663, AA903040, AA846840, AA653320, BF194808, AA668904, AI219186, BE878516, AW731840, N57261, BE254071, N63813, BE303072, AA586783, N47918, AA069811, AU159674, AI040550, AI150947, AW264749, AW964328, AI032324, BE206197, AW246857, BE383574, AA987252, AI200565, AI189099, AI142935, AW662124, T56225, AI190386, BF219717, AI200480, AA847346, BF338998, AI147152, AI340086, AW302681, AI961611, AA573530, BE139726, AL532752, BE139308, AI291856, AI245479, AW305241, AA126263, AI274163, D26600, S71381, U65636, L17127, S82190, Z63133, T49861, T49862, T56367, T72170, T72948, T92867, T74728, R08625, R08719, R17408, R24674, R25174, R25378, R25997, R26800, R28401, R31330, R31589, R42642, R45259, R42642, R45259, R62552, R62553, R66386, R67726, R68781, R68878, H25120, H25121, H41115, H41190, H41191, R84227, R87629, H53386, H64419, H64476, H72640, H72641, H64419, H99301, N22341, N25846, N29370, N29843, N59763, N94171, W23786, W45524, W72111, W77797, AA010718, AA011164, AA033553, AA033554, AA062727, AA062741, AA062784, AA075470, AA081844, AA083492, AA084442, AA100358, AA126354, AA136544, AA136648, AA146862, AA146863, AA179509, AA179540, AA179775, AA180492, AA181719, AA188903, AA189140, AA226959, AA227247, AA225130, AA225233, AA226692, AA229645, AA229809, AA229844, AA507185, AA515981, AA535664, AA565625, AA586482, AA601109, AA610517, AA640009, AA570102, AA770591,

HCORG29	273	995806	1 - 1461	15 - 1475		

AA815199, AA830586, AA911330, AA916092, AA918025, AA919062, AA935569, AA968500, AI001185, AI074161, AI085640, U47714, N84140, N85605, W22846, AI122703, AA092477, AA211134, AA211135, AA435752, AA453192, AA454024, AA486315, AA633817, AA634340, AA668174, AA704265, AA780628, AA888802, AA772744, AA989583, AI084759, AI088054, AI094555, AI095297, D19852, D31083, F04954, F07845, F00569, F00390, F01008, F12767, F10374, AA773788, AI270289, AI280920, AI285297, AI302214, AI306575, AI340120, AI361068, AI364270, AI417315, AI583912, AI149150, AI151225, AI183602, AI189111, AI204498, AI219001, AI219118, AI219203, AI219413, AI241508, AI267764, AI282132, AI862801, AI887014, AI918389, AI918631, AI937713, AI973086, AW074320, AW149328, and AW276054.

AL525031, AL530529, BF663306, BF971545, AW025025, BG258475, AU118761, BG032914, BF685877, BG121633, BE903452, BF981478, BF685489, BF797011, BG116837, BE620242, BG164987, AA827927, AI554406, BG249820, AI524296, AI571895, BG180487, BE740527, BF525728, BE393489, AI572859, AI811667, AI570178, BE387716, BE620784, AI884603, BE879489, BF127513, BG253264, BF663728, BE395984, BG253562, BE905611, BF219300, BE785705, AW338209, AI439999, BF211816, AW613426, AL525030, BG030951, AA156241, AA679290, BG107695, AW167595, AI819887, AI375063, W73277, BE350515, AI189651, AI610178, AA458883, AA491213, AU145990, AA827903, BE787350, AI005398, AA922921, AU119724, AA054320, AI160911, AI685114, AU145249, W05582, AI093117, AW021515, BF216780, AW022794, N30640, AA581846, AW469855, AW163065, AI266487, BE350933, AI031704, AL038497, AI372851, BE172272, AW510581, N67420, AI760129, AI567473, AA641542, AI368039, AI823984, AI669557, AW363504, AI283802, AI089726, AA551037, AI918930, AW631236, AA617652, BE856972, AI357866, AI306589, AI269694, BE715156, BG004783, W69646, AI309054, AA845918, N22717, AA829897, W69647, N24200, AA988609, AA459073, AI362823, BE265458, AI538392, AV693399, AA715103, AA132151, N30171, AA581975, AA132029, AW004780, AI687460, BF215226, AA054420, AI352565, AI758991, BF732353, BF692209, H10217, AI434220, AA025260, BF431116, BE869449, AA025338, H87399, BG222957, AW887096, AA341088, W87822, BF816282, R94593, AA076082, AA490721, AW591730, N75554, W87911, AI433500, N40816, N62299, AW952176, R36365, BF816279, AA878469, BF446815, AA618380, AV748450, AW630598, AA320520, BE768577, AI539196, AW407015, R46078, AI302689, R85306, AA056977, AA147254, R05766, BE812153, AA282256, AI587368, AI024987, AI763128, AI680889, AA341584, AW627423, R85305, R01156, AI350405, AI678578, BE075897, AA010791, AA447827, BE768617, AA173636, H59964, BF367093, H10272, N95145, AI769382, BF741466, AA931906, BF976950, AI814270, R94594, AI581915, AA282730, R92966, BG032240, BF342174, AI217691, BE812421, BF002679, AI384121, N27031, W56129, AI351715, BF571368, BE741347, H69103, AA210625, BE328449, BF799534, AI971774,

HCRNO02	274	995894	1 - 525	15 - 539	BE348752, BG113168, AA992688, AV691812, AA458647, U30825, AL021546, AP001725, AP000692, U87279, U87277, U87278, AA877919, AA011220, and R29605.
HCBOI79	275	996247	1 - 879	15 - 893	AI087863, AW205361, W67736, AW135527, BF112018, AI261883, BE886105, AI954585, BF592922, AA922244, AV726182, BF033136, AW402172, BE889683, AI347209, AW605270, AW949405, AU134577, BE539958, AW605272, AW418630, AL525630, AW601391, AA321817, BF115737, AV689056, BE565311, BF572563, AI933896, BE894922, BF853166, AW605273, AI879891, AI692564, BE909642, AW270487, BF669959, AW084360, AA602961, AA101742, AW612752, BF757848, BF797062, BF977586, AU142848, W25008, AV708387, AA306002, AW614255, AW377570, AV728041, AA016984, BF755701, AI802071, W67735, BE885363, BE884342, BE890337, AA377036, AA092406, R27168, AA069079, BF760715, U18914, S82081, and U35428.
HVCAB73	276	996337	1 - 1513	15 - 1527	BF344503, BG253745, BE884245, BE315407, BG180340, AI114464, AI744084, BF003120, AW451065, AI888992, AI431740, BF568084, AI380546, AI656998, AW300527, AI433538, BE464324, AI160803, AI874272, BF476317, AI916753, AI638710, AI952946, AA009412, AI888867, AI796216, AW051510, AI871622, AI382137, AI570640, AA136115, AA009693, AW237382, BF592115, AI916760, BF102764, BG256114, AI357604, AW206165, BF059310, BF874841, AA767400, AA962144, AV694380, AI223191, AW242929, BE791944, AV707942, AA136067, AA450010, AA047548, BF591090, AA057784, AI671950, AI803084, AA452628, AI183340, BF591405, AI810350, AW015645, AI217043, AI81009, AW182191, AI564896, AW075602, AW014905, AI357555, AI766792, AA566017, AI336131, D20857, BF668498, AI751642, BF568923, BE799110, AI364812, BE673585, BF217847, AI873178, BF954384, D31155, AI969843, BF939241, AA329597, AW169141, BF221870, AK000857, and AC003112. AL518842, AU118468, AU117968, AL517493, AU117660, AU119978, AU142310, BE790938, AU142367, BF972250, BF984978, BG252995, BF684869, BE559749, BE560314, BE902291, AU128821, BE795645, BG032172, AU123321, BG110982, BE792404, BE300141, BF982746, BG113974, BF984581, BF794875, BE907107, BG257415, BF309826, BE795893, BE792464, BG028288, BF965624, BE735087, BF976730, BE799193, BF305694, AU142239, BG257876, BF529711, BE613812, BE614422, BE791689, BE885879, AL517492, BE409756, AU135389, BE783011, BG032093, BG114278, BE901386, BE618095, BG107568, BF026898, BG256177, BG251091, BE612467, BF311267, BE618641, BG107568, BE888894, BG180037, BG028062, BE278994, BE614277, BE891718, BE868694, AW947123, BE298422, BE908780, BE278771, BF979838, BG121166, AV759228, BG116644, BG108186, BE272582, BE746783, BE785332, BF316338, BF973741, BE730725, BF979294, AV698719, AL040837, BG106907, AV706709, BF311733, AA206423, AV706293, AV706359, BE789022, BE259394, BF983820, AV713317, BE543291, BF980476, BF310651, BG031342, AU134782, AU134782, AL035921, BF981835, BE396863, BG028634, AW946539, AV653256, AL035256, AL035921, BE275555, BE612914, BG026070,

				BE544347, BG024696, BG113200, BF972102, AV728702, BE789705, BG149851, AV710582, BF794705, BF213710, BF220326, BE537395, BF217202, BE541909, AV759268, BG120022, BE395339, BE537041, BE548606, AA601029, BG036355, BF246531, BG167445, BE896941, AI057010, BE812336, BE542239, AA307289, BF995858, AV706710, BE539462, AW190078, BE782878, BE796539, AI684231, AL040836, W17334, BE302615, AW672824, BF220224, BF762979, BF762966, BF029521, AW377668, AW603070, BE894067, AW402238, AW177685, AW248375, BF813108, BE255382, BE790645, AW188659, AW575102, AW516109, AA314077, BE122693, AW177686, AW192644, BF315609, AA022980, AL047461, AW377677, AA081026, AI559299, AI885467, AW027224, BE544276, BE676503, AA314697, AI888122, AW166841, AA232117, AA220961, AW192546, BE780391, BE890743, AA307202, AW402279, AW996071, BE207001, BE263263, AA420820, AW403477, AA082420, AW674874, BF216301, BF794903, AV761075, BE245781, BE001570, AW239431, AA627189, AI653670, C14730, W52929, AV738244, AA463299, AA620594, BF762981, BF241424, BG058799, W40344, BG121872, BE905667, BE207663, AW383919, AW438610, AI472187, AW675241, AL035922, BE613555, AA553417, AV763106, AW305029, AI348466, AW675501, AW383917, AV716734, AW954659, BF970806, AW383913, AV737716, AW383918, AI630195, AA588555, AI921124, AA224137, AA916397, AW131000, N23582, BE177562, AW383908, BE245163, AA974644, AI887220, AA894687, AW629912, U10323, AF113702, T70129, T75532, T95137, R17573, T27052, R19790, R53272, R59922, R65930, H08925, H47546, H47774, H47784, H64949, H69959, H69960, H80517, H80569, H81281, H81337, H87618, H89042, H95712, H95729, N34733, N49675, W05310, W52084, W92294, AA009892, AA045887, AA082088, AA199931, AA223456, AA224153, AA224177, AA232349, AA581072, AA581073, AA586543, AA837533, U46279, N85685, N87344, N88407, N88432, C14958, C15353, AA095468, AA096112, AA206240, AA205297, AA214272, T15816, Z43205, D31020, F05491, F07919, and AI619887.
HSDJH04	277	996619	1 - 926	
			15 - 940	BE904901, BG168030, BE878351, BG259171, AW732563, N24355, AV724626, F24474, AV722309, AI261328, AW328428, BE674638, BF345021, BG255797, AA532928, F37428, AI370570, F22370, F32515, AA296010, AW070530, F33022, F31501, AA918040, F22734, BE905663, AI022292, AI929756, AI300554, AI718610, AI718646, F33373, BF793297, BF793269, BE875134, AI339442, BE855791, AI342832, AI735425, F33367, AA603132, AI695802, BE730633, AA429820, AI024066, AA031459, AA532849, AA772747, F37419, AA136087, AA873691, AI017375, AA625381, AW467861, AA994440, F30932, AA513042, AI191651, AA907866, R09570, F19496, AV741591, W52552, AI497696, BF035508, AA770559, AI369674, AA506595, AI279742, AI302456, AA320307, AA303547, AA452025, AW627910, AI418637, R28551, BE907102, BF965846, R07147, H51877, F35932, H27315, F29523, F28344, AA548806, AA535397, AA148236, R07146, F21114, BG254257, BF185406, AA555277, AA304129, AI968949, R09479, AA570105, AA876458, AI160002, AA304639,

					Accession Numbers
					AI203751, AW950006, AA364024, AA148237, AA303787, AA307134, AA580283, BF431349, AA327106, AI032424, BF087648, AI685585, F16067, AA662657, F36431, BF974095, AA304009, BF821420, C20560, AW075010, AA136184, D45577, F16068, AA358228, AI281988, AI735119, AV725497, BF477955, T84734, AA811986, AA725721, AI459929, AA586418, AA631238, F33060, F18414, AI826545, AA570767, BF761449, BF246323, AW054871, AA031479, AW581427, AA101022, F29813, AA196067, BF245508, F28872, BE855474, N88416, BF196399, AA507658, AA320057, AW964519, BF130033, U37690, Z47728, and AW070533.
HSOAN18	278	996804	1 - 616	15 - 630	BE466450, AW085532, AW241624, AW241613, AA806056, AII39578, AW241447, AI655042, AW296683, AW241504, AI005390, N32749, AA732371, N32766, N75507, AW977149, W23313, BF671561, BE541574, AI349361, H01507, H00269, AL079342, AB030654, AF155159, and AF092093.
HHEHF49	279	996874	1 - 788	15 - 802	
HCHCF36	280	996903	1 - 838	15 - 852	AA604207, BF568246, BF685919, AA769075, AI829363, AI160465, AW611817, AI365676, AA909715, BE504747, AI333819, BF828573, AI523938, BF989966, AA768116, BF091370, AI168213, AI658820, BE390437, W56333, BF987457, BE797515, BG110670, BF974205, BE745959, AI652259, BE563589, AI097626, W56246, BE880543, AU141729, AL134271, BE933141, C75024, AI933359, BF087614, BE279562, AI475845, BF314042, AI936721, BE735049, BE298845, AI933320, BE265132, AW512295, BF802106, AW498827, AI431995, AI283491, BE222982, AW449482, AA808235, BE392368, AI763116, AA814951, AA505663, AW274238, AA056204, W56326, BF036391, W56359, BE900914, AI656477, BE818925, AW162674, BF309126, BE700914, BE254984, AA055543, AI760331, BF827226, BE395139, BF229557, AI369700, AI369699, AI197948, BE048398, H81842, AW242467, BE818985, BF307576, BE617252, BE514899, BF125485, AI972328, H44030, BE742153, BF828519, BE793542, AI082336, AA459967, BE812253, BE184274, AU130605, Z25808, M77198, M95936, D30041, U22445, X65687, X61037, and AC002364.
HAHCK58	281	997127	1 - 1797	15 - 1811	AL530933, BE744244, BE886518, BF307394, BE886078, AA521306, AI346509, AW014616, AU154742, AU160803, BF307330, AW662413, AW043807, AW000956, BF434533, AU159740, BE350868, AL530932, AU153954, AA031263, BF897515, AU153595, BF223978, AU146675, AU152826, AA524349, AU143944, AI340333, AW128969, AI826348, AW305306, BF062439, AI564106, AW304346, H71784, BE878383, AI161344, AI262022, BE504256, BE326650, BE504858, AI039240, AW162372, AI962737, AI309252, N76604, AI815896, W69677, N94090, AI935385, AW271271, AI948839, AA010408, BG004347, BF091918, AW513419, AI289056, BF055132, AI638198, BE219405, AW008633, BE676811, AA532714, AA632276, AA040180, N54492, AA570140, R98609, AW025830, W69676, AW510423, AW073235, AI694628, R15330, H71783, AI886412, AA582538, BF798373, AA635538, AW578114, N69270, R98610, AI917180, AW014409, BF886580, AI383709, AW078973,

BF888376, R96473, AA011236, BE139647, R96472, W23106, AW044241, H37813, AA377991, BF897459, F16253, H75768, BE090852, R78149, AA323463, H37864, AA770070, AI222936, BF737167, H75904, AU117001, AA031337, AI367688, W07590, AI823334, AA040181, AI453543, H67441, AW375895, R77788, AI630685, BF798370, AW000974, AA219406, BF091159, BF091899, AA693496, AA609001, H67387, R45504, AU134927, AI872776, AI472899, AV764371, BE867933, AW194032, BE967456, AW997941, AW351834, BF091195, C01873, AA367973, R24771, AW132078, BG177469, AI436065, N67327, BE765933, AI670001, F21760, AV745723, BF991903, AW374683, T19904, AL514691, AI873765, AV745724, T17187, AL514791, AL513755, AA613907, BG258600, BE964876, BE909398, N42321, AI312428, AL513907, AL048656, AI932953, AV682697, AI888953, AL514543, BF990167, AI873731, AV710950, BF960601, AV758738, AV682772, AL514129, AV681869, AI906328, AL514261, BE047691, AA493647, AL514935, AV756150, AW813006, BE172767, AV699193, BE965095, BE966775, AI813986, AW954031, AL041562, AI149592, AI886415, BG032214, BE877540, BE164610, AI907070, AW162189, BF870154, BE905415, AI624859, AV762619, AL514421, BE613880, AV735022, AV682385, AJ382201, AI813914, AL515047, AI348901, BE971716, AI907061, AI344182, BF814018, AI678989, BG151247, AW946760, AW168031, BG034550, BF037607, BE964741, AV693157, BE968711, AI682106, AL513687, AW132121, BE789764, AL513991, AI538342, BE881134, AI635942, BF108084, AI335426, AI348777, AW004886, AI364788, BF793324, BE877901, BE904051, AI570966, AV682645, AV727614, BE905250, AI609580, BF340889, AW168320, AL514579, AI434242, AL514529, BE785868, AK001138, AK021440, AL050146, AL049938, AK024538, AK024601, AR013797, AJ242859, AK000614, AK000212, S79832, AF022363, I48978, AL122098, AX026823, AK026522, AL162006, A07647, A58524, AF065135, AF113699, A08916, A58523, AL133606, AK000083, AF262032, AF178432, AR011880, AL110222, AL110171, AK024524, I89947, AF113690, AL121656, A08913, AF321617, AL389935, AL137300, AR038854, AF067728, AX042059, AB048974, AK025349, AF155221, AK025573, AL050108, A08912, AL137641, A08910, I89931, A08909, AF111847, AK026542, AR087170, A08908, AB049758, AL389939, AK026592, AL137276, AK025378, AF113694, AF113851, AF130104, AF305835, AK026950, I89934, U00763, AK025967, AK000445, AF119871, AL353957, AK025491, AL359618, AF090896, AF155827, X93495, AB046642, AF111851, AF130104, AF305835, AK026950, AK025708, E15569, AL133072, AL133560, AL133637, AK000652, AF118094, AK026480, AL137560, X92070, AL080137, S76508, X98834, AK026464, AF114170, AF116676, AR083266, I26207, AF118090, AL133081, AL389957, AK026746, AB048975, AF130077, AL442072, AL359620, U42766, AL137521, AF113013, AK026532, AL137539, AB019565, AF078844, AF130087, AB047248, E05822, AL137478, AK026057, AL133080, AB041801, Z72491, AK025209, A90832, AK027164, AF130068, AL096720, AX027129, AL137527, AL137294, AL050393, X65873, AB029065, U51587, AK025383, AB049848,

				AK027116, AF116639, AK026395, AF116654, AL122111, AF116602, AL110221, M27260, I66342, AK025484, AF057300, AF057299, AF104032, AF061943, AL049430, I89944, AB051158, AL133067, AL389978, AF130066, AB050510, AK000137, I03321, AL117583, AK024622, AK027142, AL390167, AK024594, AL080074, AF218031, AF159141, Y11254, X62580, AF130054, AL133640, AL122106, AB052191, AK026741, AK026784, AL122100, AL117578, AB052200, AL162085, E02221, S78214, I00734, AB049892, AL117648, I48979, AF177401, AF090934, AL137526, AK024588, AK024992, Y16645, AL049300, AK026086, AF097996, AF132205, AX019230, AL050024, AL110196, AK026353, AL122050, AB047623, AX014095, AL080163, AF119859, AL137459, AK026797, AF130092, AK026526, AF218034, AB038698, AL117649, AF090886, Y09972, AL137712, I09499, AX006092, E00617, E00717, AK026631, AJ003118, S77771, AL353940, AL133568, AF106657, AF208850, AF056191, AF079765, AL137665, AL122121, AL137292, AF116682, AL162004, AL122110, AF113676, AJ001838, AK000247, AR038969, S36676, X79812, AL137656, AF177336, AF176651, AK025414, AL049452, AB048954, AK027146, AF113222, AF119896, N67887, AW275283, and AW303761.
HETIJ06	282	997165	1 - 371	15 - 385	W04730, BE266365, AI133648, BE793925, BE559709, BE790580, AL518848, BE865465, AL530857, BF132480, BE740884, BE795484, BE793563, AI304872, AA741065, BE865290, BF683810, W80875, AA122216, AA308813, AA284386, BF326544, AL355392, AF161516, AK023992, and AF152097.
HAPOE30	283	997595	1 - 2897	15 - 2911	AU117247, AI126490, AV717396, BG104731, BE501285, BF056914, AI094852, BF796496, BF063299, BG256800, AA454987, AA454988, BG114650, AW080282, AW966631, AW168948, AI336277, AA772322, BE220380, AI859792, AI417858, BE466892, AW103075, AU159373, BE504285, AA918401, AI432403, BG230590, BE673392, BE670742, BF725058, AA410511, BE540683, AA083340, AW594055, AA418120, AI949050, BF112235, AU144138, AA679107, AI708897, AI376002, N78061, AA477527, AI700609, AA828552, AI991181, AA417942, AW168995, AI139660, AI021901, N25477, AI004673, AA411601, AA024709, N49529, AA693511, AI985704, BF343591, W60152, AA778693, AA180440, AA418978, AI767329, BE350692, AI242979, AA577408, W51942, AA524990, AW195065, AW028525, AW953384, N49287, AA418805, AW243797, AI246226, AA024727, AW008941, AA757727, AA527910, AA074180, C05139, R67172, BF348935, AA813662, AW971329, W94122, AW614468, AW513979, N58471, AI868472, AW182171, AA707715, AI183895, AI927765, AI620107, BF508176, R59987, AI654118, AW204432, H44803, AA352918, AA295664, AI499474, AA363317, R09270, R26284, AI784077, AA385639, R25459, H95934, AI572507, BE160130, AA885993, AA363316, R35885, R35884, AW993480, AW023692, AA721410, R36442, AA251090, AI864808, W94018, AA579940, AI872496, AI249523, AW993214, R36160, BE817052, R58756, AL513907, AV729890, AL514919, AL514627, AL513597, BF054789, AI985363, AL121270, AL514691, AV655645, AL514791, AW071349, AW827203,

AA362948, AL514087, BG036846, AI868831, AW303152, AI349772, AL515041, AL135661,
AV681951, BF883916, AV681630, AV682252, BE785905, BG108324, AL513631, AV733397,
BF724691, BG179993, AV758806, AI815383, BE048071, AV704350, AV682479, AL047042,
BF971016, AI538716, BG058208, BE047863, AV723772, AV757598, BF795712, AV723204,
AV711924, AV681858, AL036396, BE964812, AI064830, AL513803, BE964700, BF673434,
BG260037, AV757455, AL046849, BG107847, BG108147, AV723062, AL045500, AV682772,
AL514803, BE048163, AI349645, AV682466, AV682476, AL119791, AV734318, AV758110,
BF343172, AV711509, BE048081, AW268253, AL119049, AV757012, BE877769, AV758217,
AV681668, AV762488, AL513779, AL514935, AL515047, AI436456, BE965891, AW162071,
BG114104, AV715263, BE965095, AV681857, AL513553, BG168696, AL036802, BF968041,
BG029399, AV682521, AV682809, AV710479, AV758592, BF968493, AV755581, AI120854,
AI500553, AV723953, AV757943, AV682051, AI433976, AV756477, AW827249, AV755613,
AI500077, AV705644, AI207510, BG105099, AV755614, AI340582, BG250190, AV682289,
AV682074, BE048319, Z75330, Z75332, AF255017, AF070586, I48979, AF130105,
AF090934, AF090900, AB048953, AL133640, S78214, AF130104, AF116644, AL050146,
AF116631, AF116602, AL133016, AF130059, AL050393, AF113691, AF116646, AF116639,
AF130075, AL442082, AF078844, AF116691, AL117457, Y11587, AL389978, AF113013,
AF118064, AL110196, AR079032, L31396, AL442072, L31397, AX046603, AF118070,
AL157431, AF090943, AF130082, AF125949, AL049938, AF104032, A93016, AF138861,
AK026608, AL133606, AL137527, AF113694, AL117460, AF090901, AB049758, AF116688,
AJ242859, AF090903, A08916, AL390167, AL080060, AF218014, AL049452, AF113690;
AF111847, I89947, AL359596, S68736, AK000212, AF130092, AF119878, AL110221,
AL359601, AL050116, AF113676, AB050510, AR059958, AB047615, AF106862, U42766,
AF113689, AL122050, AL050149, AF090896, I89931, AK026865, AL122093, AK026741,
AL133075, AF119875, AB048964, AL050108, AB041801, AX019230, A08913, AL162083,
AK025084, AK025958, X84990, AK025339, AK026045, AL162006, AX019229, AL049466,
AL096744, AB019565, AF017152, AF113019, AL133557, Y16645, AL080124, Y11254,
AL049314, AL137557, U91329, AF113019, AL050277, AF219137, AL080137, AF119899,
AF158248, AF113699, AK026855, AL137283, AL133093, AF146568, E03348, I48978,
AF116649, AX006092, AL133080, AK026744, AL389982, AR011880, AK000618, AF111851,
X63574, AJ000937, AL133565, AL122121, E07361, AL137459, AK026533, AL122123,
AK026784, AK026592, AB051158, AK025772, AK027096, AL359618, AK000083, AF314091,
AF091084, AL110225, AL359941, AF097996, AK000137, AB052191, AK000445, AF207829,
AF119909, AK026452, AF125948, AK025092, AK026647, AL117394, AL137550, AF271350,
E07108, AL050138, X82434, AK024538, AB048954, AF177401, AK026542, AL133560,
AF079765, AF242189, AF225424, AF017437, AR087170, AL049430, U00763, A65341,
AK026583, AK025491, AK000652, AK026927, AK026353, AL117585, AL353940, AL359615,

					AB047904, AL117583, AK026504, AB052200, AL049464, AF119871, AK000614, AF130099, AL049300, AJ238278, AK026534, A08910, AF130066, AF116682, E02349, AK024524, AK026532, AF130077, AF177336, AF130110, A08912, AL137271, AK026959, AK026086, AK026480, X70685, AL122110, AL050024, AL049382, AL133258, AK027113, AK025414, AF067728, AX042059, S61953, AL117435, AK000323, U72620, E05822, AF183393, AB049892, AF118094, AK025967, AK025391, AP001666, AX026824, AX026823, A58524, A58523, AB048974, AC009364, AL137648, AF130087, AP001346, AK026526, AK000432, AF116610, AF175983, AK027204, AK026642, R09167, AA476684, AA904630, D25837, and AI873137.
HRGDC33	284	997862	1 - 1826	15 - 1840	AL530171, BG167455, AW341526, AA143021, AI621276, BE695940, BF540992, BE695955, N34863, AW593873, AL530172, AW196758, BF223067, BF223008, BG054486, AI392748, AI807788, AI147923, BF666752, AI634124, AW204647, BF438607, AA293879, BF476285, BE866767, AW276898, BF434775, BF103871, AV711800, BF983985, AI392984, R63482, AI680602, R63481, BF507828, BF688635, BF908078, AI795905, AI444949, BG178163, BE048998, AW269138, BF689020, AA251885, AA150912, BE566036, AW884530, F34562, AW801105, AA872641, AA321262, AW082114, BE001578, AW674054, AW961602, BF913145, AA937288, F29869, AI924910, AI908447, AW800341, BF746755, BF215227, N43936, BF676410, AI969745, BF061733, BF796686, AI990282, AW884388, AL109918, AP000568, AP001676, and AR022362.
HMTMB91	285	997873	1 - 1162	15 - 1176	AV755264, BF577013, AI923558, AW268804, AW469653, AA760854, AA580566, AA580691, AA836465, BF899990, BF926478, AA768321, BF514639, BF088900, AW392416, AI885519, BF061715, BE888827, AW129764, AI951031, AW858464, AI936012, T40389, AW392849, AI820997, AW858513, BF950338, AW836417, AW392833, AI821288, BE503330, AW837691, AW750461, BG114047, AI275943, AF109907, AC004858, Y12017, AK026107, AR060046, and AR060053.
HFAAD07	286	998059	1 - 988	15 - 1002	AV684787, BE674615, AI887753, BG258585, BE218749, BF224413, BG165003, AI702451, BF224407, AA548464, AI978680, AA071156, AA191693, BF570780, BE738364, AI797896, AI826052, AA041342, AW014334, T62575, AA197202, AI084270, AW375498, BE775118, BF333162, AA188647, BF431428, AU155686, AA602203, BF751398, BF365027, BF155009, H10377, H20737, T63199, AU117290, R71297, AI829554, BE645507, BE815650, BE247171, BE701182, T62541, AI659397, AI868867, AI810306, R40856, BG110361, AI701277, AA602213, T62616, AI221666, AA070862, AA860281, BF718478, AA191265, BF088816, BE090765, BE840583, D25992, BE704032, BF692434, AW754457, AW363933, BE540276, AI217112, AA528408, BF981414, BG015645, AI633390, AV727030, AI199435, AK023434, AB029036, AJ132948, AF119043, AL035410, and AK021491.
HE8TG67	287	998517	1 - 1884	15 - 1898	AL537729, BF346881, AL536527, AL517563, AL518650, AL525543, BE621523, AL536921, AI040011, AL531577, AA704144, AL516123, BE271006, BE540109, BE619747, AL533503,

BG170064, BE299680, AL517777, AL535620, BG104730, AV728438, AA639215, AA555235,
BG034845, AW939741, BF339759, BF813789, AA772354, BF569960, AW245418, BE904810,
AA700011, AW245455, BF954453, BF526361, AA610582, AA618009, AA482569,
AA861062, AA555035, AI040983, AI819039, BF569170, AA521380, AI983888, BF530869,
BE163540, W94704, AU147292, BE620286, AW250767, AA102613, AW069495, BF793946,
AA701091, AW250019, AU155225, AA449739, AI924565, AU155236, AW874021,
AW001469, AU150827, BE208088, AU154343, AA666235, BF594057, AU148334,
AW043731, BE300631, AI159873, AA057396, AU144390, AA527772, AU147764, AI094607,
AI052499, AI139248, AI366151, BF732773, AU143930, AA402208, W79479, AA477554,
AI989370, AI095433, BE621093, AI049797, BF88236, AI983030, AI338299, AA402755,
N24100, AI131290, BF793622, AA838250, BG109583, BF699040, AI269227, AU151352,
AI333121, BF811358, BF907598, AA581533, BF433802, AA195604, AI050079, H39825,
AU144776, AW069554, AA037083, AI280691, AI018103, AU157349, AA620559, BE206615,
AI754976, AI081124, W94605, AI081123, BE350280, AA706590, AA314919, AA651856,
BE253662, AA861056, AA071324, AU157614, AW881111, AU153214, AA719876,
AA181563, BF690521, AA808269, AA723095, AI560861, AL516662, AU155846, BF093342,
AI027763, AA565838, AII39682, AU154971, AA642695, W61345, AA404305, AA565530,
AII85667, BE620819, AI283202, AU155712, BF089802, W61344, R79062, H27968, D29064,
AW050706, AU158884, AA427413, W07813, AA477671, AI079573, R87349, BF841432,
BF307440, H39826, AA404670, AI623515, H51138, AA513633, AA723537, BF530713,
R88416, AA196631, R72209, N24999, AW248474, AI249357, AL079657, AI302390, H00687,
R85477, AA622001, AA479932, W68598, R76453, R72512, H26186, AA081465, F37521,
AI797711, H51406, BE539340, AA292020, AI372748, BF888556, H80260, BF888240,
T08241, AA926863, AI348037, AA070621, BF940573, AA132775, AI198296, H43462, AA909846,
BE279033, AA083239, BG106905, R51115, AV721285, BE559727, AA468065, R87334, AA122383, AA657746,
AA122384, AW369503, AA602541, BE559727, AA468065, R87334, AA122383, AA657746,
AI208674, AA083702, AV723723, AII25149, BG255149, AV721284, H06257, H51448,
AA074046, AI088433, W56259, AW615762, BE270473, AA293301, AA815062, R52926,
W60481, AA468007, AA496899, AL119324, BG008464, AA341161, BF332897, F01127,
F36977, AI286077, AA936774, AX015425, D63475, U36188, U27106, M23674, AF001923,
AF001922, AL389935, AL442082, AF078844, AF079763, AL157483, AL162004, E06743,
AK024524, AK026797, AF151076, AK000421, AK026164, AK027173, AL389939, AF113694,
AK025084, AF120268, AF217982, X57961, AF111847, E01614, E13364, X96540, AL137271,
AF016271, AK026592, I48978, AB047904, AF217991, AF113019, AL161953, AF057300,
AF057299, AF116631, AK026542, AF069506, AX014095, AF271786, Y09972, AL110222,
AF097996, AK026353, AK024538, AF141289, AR070212, AB038698, AK026631, Y10080,
AB034701, AF130059, AB019565, AB049892, I89947, S63521, A08916, A90832, AF094480,

A08913, AF130110, A18777, AL133619, AL389957, AF090900, AF116682, I89931, U91329, AL133557, A08912, A08910, AR087170, A08909, AF017437, AK024588, AF132205, AL050024, AK000618, I33392, AK000212, AF153205, AK025798, AK000310, I09499, AL133014, AK025465, AL137479, AR038854, AK027116, A08908, AF090896, L04504, S76508, I89934, AF116644, AF119883, AF090943, AK027121, AB048953, AK000250, AF119857, AK026608, AR083266, Y16645, AF028823, AL049382, AB047897, AX019230, AF225424, AL080154, AX011676, A07647, AL359620, AF208026, AF056191, AL050393, S78214, AF113691, I29004, AF130104, AL050146, AL162083, AF119896, AF143723, AF119859, AK026741, AB049853, AF090903, AF262032, AF117657, D16301, AL137547, AF155827, AL096751, D83032, X66871, S36676, AL049283, AL122050, I46765, AK027204, AL117585, AR079032, AX046842, AL117394, U42766, AX019229, AF113013, AX012188, AF113689, AR034830, I96214, AL359622, AF218031, AL353957, AF111851, M30514, U58996, AF202636, I17767, AF111849, AK026647, AF106657, AJ005690, AL133104, AF116639, AL133558, AK025967, AX047644, AF218004, AB050421, AF185576, AK000083, AJ238278, AK025349, AF242189, AL353940, AK000391, U80742, AL122093, AL080126, AK026600, I00734, AB049848, AF267991, U75932, AF314091, AF116691, S75997, AL050277, AL137526, AK025391, AB048888, AL110196, I03321, AK027146, AF026124, AF218023, AF116646, AF254119, M27260, AF130068, X54971, AF138861, E00617, E00717, E00778, U57352, AL359615, S77771, AF178432, AL133113, AK026506, AF175983, I89944, AL133560, AK026534, AF100781, AL049324, AK024992, AK027102, AK027096, AL137557, AF159141, AL137478, AF218014, AL390154, AX017991, AK025906, X70685, AL049314, Z72491, AB047941, U53505, AL117583, AX017991, AK025209, AL137459, AB048974, X52128, AF130105, AK027164, AF017790, AL137529, AB050431, T92736, R33834, R33835, R33993, R34880, R36088, R36183, R41327, R53706, R41327, R72170, R73657, R76025, R76227, R78754, H15810, H19741, H20074, H26185, H28046, H39612, H42479, H44400, R85909, R87326, R88467, R90835, R90836, R90927, R96270, H51203, H51431, H51570, H51940, H92747, N31624, N62322, N79443, W37310, W69152, W69277, AA016048, AA016059, AA017717, AA029411, AA029277, AA065039, AA071000, AA074465, AA113882, AA171923, AA533376, AA551621, AA551734, AA584329, AA568455, AA657809, AA745127, AA761504, AA804720, AA834831, AA857175, AA968508, AA976763, AA291776, AA427412, AA427412, AA476955, AA669654, F22178, AA852221, AA861255, T03330, T03513, AI027029, AJ080033, AI122866, T15399, T17025, AI439358, AI560117, AI566983, AI567273, AI570382, AI582975, AI584181, AI624390, AI627996, AII83819, AI654280, AI272156, AI587318, AI613240, AI689548, AI690603, AI744851, AI745467, AI799307, AI855423, AI859509, AI919574, AI953465, AI963535, AW016491, AW088681, AW071042, AW128909, AW130417, AW131920, AW152670, AW197018, AW078705, AW079199, and AW337323.

HACNC39	288	998533	1 - 527	15 - 541	BG258323, AV726190, BG059174, BF031580, AW247693, AV733393, BF673590, BE393632, AV718256, W33034, BG223143, BG027098, AA316722, BF540944, AV740290, BE620501, AA761185, W76104, BE880515, W72590, AV712501, AI373016, AW951730, BF343423, AI301029, AW516518, BE336891, AI973019, AW954688, BE267264, F19333, AA642858, AW275727, F24037, BE886443, R98379, AA293612, BG029810, AI074416, AV682189, T30842, AII93781, AI709082, AA010642, BG178022, BE206642, AW163422, AI369744, BE737738, AA972242, AA505959, W30911, AA622015, AI479908, N39461, N99973, R89095, F24482, AA081027, AA502036, R89203, AA035242, AV758359, AA573301, BG116673, BF976770, AI205784, W69222, AI301695, H55975, AA081028, BF028555, N95321, W01264, AI719663, R98380, AA861810, W07432, BE744309, W57656, AA927506, AI719437, AA226340, AA226339, AA659132, H55976, AA635460, BE263378, AW004852, BF208315, AI096433, AI885213, AI097113, BE858122, AA935727, AA935732, T64927, AA128637, AI282165, AI299205, D31544, AI087422, AI299261, AA977268, AI493422, AA535488, AA927717, BE738497, AI028146, AI027821, AI288435, AI590079, AV744150, AI758305, F32365, AA601928, AA862695, AA910891, BF082399, AI867500, AA601890, W69078, AA535582, AA011251, F22069, AW162386, AI554628, AW157546, AA514029, AA527091, AA514433, AA948196, AA307500, AW163423, AW841585, AI266428, F36879, AA304694, AI277191, BE620900, T34355, BF687997, D11824, F29996, AA127824, T19184, BF898606, AA852606, AA480469, AA385328, AA046538, BE045065, BF678637, AI880263, AA128770, T39525, AA837248, R66514, T67659, AI580758, N73968, BE567125, BF217569, AA680363, AA301822, AA055001, BF246041, T32179, AI879869, AI143015, AI141685, AA010673, AA177089, R67830, AW964427, R30686, AA973995, AA572821, AA282316, T30691, AV715207, BF743095, W24587, AI468069, AA321070, AA358416, AI445120, AA996068, AI014448, AA908418, AA931480, AI148889, AW583730, BE045228, AA045468, AI467821, AW583317, AA308501, BE049525, AA962130, AI148886, H47357, F37883, F27165, N70956, W35401, AW151841, AI148586, BE833126, F31392, F17340, N75848, BE174000, W03741, BF819345, AA092713, BF541948, BF819342, AC008752, and AF318186.
HCOQP78	289	998901	1 - 1051	15 - 1065	BF038501, BE743899, BF032818, AA587273, AI470221, BE501242, AI566249, AW590780, AI963941, AI916929, AA933987, AI656124, BE672062, BF508514, AW873183, AW801187, AW610294, AW998772, AI914774, AW610295, BF915088, AW998876, AA320217, AA343629, AW965060, AA401047, AA400995, AB008927, AB008390, AF055982, AB009849, AF095742, AX002035, AF095743, AF251125, AF243527, AC011473, AB012761, AB010780, and AX002037.
HCGMA67	290	998905	1 - 2397	15 - 2411	AL516908, AL529636, AL526532, AL528012, AL522876, AL521127, AL526488, AL521128, AL516907, AL531189, AU122740, BG112405, BE745665, BE250550, AU119700, AI743606, BE798628, BE736968, AU125167, BE797870, BG112405, BE902115, BE560581, BE734679, BE793368, BF969559, BE620400, BE268360, BE736647, BE902108, BE728049, BE796873, BE870756,

HSKHK19	291	998968	1 - 1335	15 - 1349	AW411493, BE270572, AU133808, BG121078, AU133710, BF686594, BE910106, BE257320, BF317202, BE793091, BE730051, BE263846, BE384717, BG115969, BE879093, BF183030, AU134059, BF974997, BE737205, BE396557, BE262942, BF027539, BE793751, BE904872, BE893045, BG178142, AU133810, BF310279, BE311403, BE780071, BF125763, AW249262, BG167684, BE799083, BE150570, BE264319, BF797226, BE276706, BF797134, BE277414, AU122878, AI819948, AW292784, BE018144, BE731116, AI346337, BE388636, BG232088, BE644993, AW085502, AI819956, BE273350, AW411494, AI922650, BE079846, BE390098, BE385907, BG250419, BE264525, AW248841, BE542604, AW604679, AI818941, AW264093, AI126505, AI818959, AW837557, BG114384, BE779041, AW182262, AA436151, AII84672, AW069602, AA599479, AII50894, AI687205, AI637558, AV649134, AA594595, AW168019, AW068429, BG035056, AI091663, AI346196, AA436277, AA232178, AI923623, BE139474, AW001867, BF348648, AI802886, AI082781, AA452041, BF912320, AII38457, AI986228, AI346777, AA133011, AI085977, AA127224, AV648865, AI659420, AV648769, AW857727, AA743051, AI721055, AV648944, AA211354, BF894734, BF892701, AA156145, AI261503, AI357961, H82468, H51040, BF752799, BF948221, AA306464, AA995825, H77453, AW837617, AA155712, AA451842, BF752803, BF951602, AA631133, R86155, AI270028, BE301626, AV725027, AI538266, AA844701, BF761725, BF752808, AA064668, AI810461, C18335, AI961800, AII29748, AW381832, BE152165, AA280183, AII84909, AII25741, AA133126, AW067954, N44500, AA156399, AA322829, AI241053, BE767776, BF594788, BF951594, AA826959, T72301, BE706433, BE063208, AI380368, AA127223, BF350441, AA306328, T48747, AI911666, R31445, AW673805, AA382705, AA922112, AI688280, AA385663, BE710692, AW194218, AI984114, BF764757, AA353720, AW883638, AA130715, AI784292, BG254395, R50604, AA347146, AW016251, AA300597, BF851633, AW302862, D25743, AI351721, AA130800, AW276690, AI499265, AI537970, T69840, AA281560, AI633516, R53694, AI049970, AK025165, S53268, X56741, X56385, S53270, M83675, AC011742, AL137068, AC003104, AC011452, AC006329, AC008812, AL391690, AP000335, AP001725, AC009086, AC003029, AC004151, AC002401, AC011475, AP001732, AL121929, AC007386, Z99716, AL117334, AL050349, AL138741, AC004840, Z85987, Z83838, AL031680, AC005098, AC016995, AC000353, Z93015, AL162505, AC010422, AL121933, AP000215, AP000350, AC008163, AL049762, AC003007, AC005071, AP001469, AC004166, Z83845, AC006480, AC004975, AL031291, AF024533, AF030453, AC004673, AP000557, Z82179, X14448, AC002351, AL133174, AL158830, AC009470, AP000031, AC026199, AF053356, AL389886, AC006530, AL031291, AL158830, AC009470, AP000031, AC026199, AF053356, AC005180, AC007283, AL158830, AC009470, AP000470, AP000031, AC026199, AF053356, AF031078, T55532, R50516, H51041, H77454, AA064715, AA116002, AA128604, AA132717, AA665918, AA709196, AI091860, and AI696317.

AL519526, BE256801, AW130128, AW970424, BE621017, BE787578, BE621643, AI589581,

					Accessions
					AI949575, AI818124, AI589840, AW081864, AI912753, AU145975, AI634482, AI563933, BE223113, AI074607, AI569706, AI814661, AI373372, AA496332, AI860757, AI184874, AI812006, AW275925, AW275923, AA443603, AI866518, AI049612, AA535149, AW104765, AA446619, AU146067, AW938784, AU119822, AI377544, AL519527, AW613441, BF510601, AA496667, AA910533, AA568546, AI033588, AA457153, BE676768, AA454523, AW170554, AA187136, AI241929, W72667, BF530659, W06898, AA699709, BE540686, AA074340, AA367858, AA443905, AA577051, AI928605, AW151489, AA367893, AI656686, BE702465, AA379678, D63303, AI017693, AA513395, C02140, BE702440, AA676828, AW751107, AA476663, BE048320, AW337952, BG004582, AC004890, and D30612.
HAGGR59	292	999124	1 - 584	15 - 598	BE784070, BF002337, BF514872, AA568401, AA579465, BF967065, AW752043, A90832, and AL121674.
HOPKS83	293	999148	1 - 2249	15 - 2263	AL522393, AL533573, N99342, AL516958, AL523241, AL535062, AL522394, AL535382, AL516957, AL523240, BE562445, BG105219, BE612965, BE312728, BF312923, BF315986, BF035342, AU118409, BE743128, AU119979, BF317065, BF315006, AI911669, BF206582, BE378738, BF314738, AI920919, BF307782, BE393973, AL517298, BG105346, BE299566, BF312608, BE336625, BE743194, BE899095, BE878702, BE314539, BE299463, AI863032, BE382388, BF793901, BE299754, BF033995, AW956858, BE336951, BE263982, BE299939, BE794536, BF204946, BG117746, AL517299, BE540363, BE746220, BE889577, BF310262, BE296433, BF032410, AI630771, BE262722, BF206365, BE881335, BE792711, AI962939, BF038482, BE736530, BE262374, BF983571, AL041532, BE222837, AI203519, BE747404, AW474516, AW860949, AI467799, BF038659, BE395887, BF205799, BF984646, BF035677, AI446105, BF033792, AI683133, BF207213, BE390734, BE880386, BE797748, AW084757, AI623575, AI198705, BF317016, AI688407, AI131027, AI951929, BF035073, BF724131, BF034309, AI680339, BF361335, W63745, AI802236, AI620096, BG117568, BE395019, BE963719, AI631270, AI017269, BE382313, AW404858, AA069776, BE217748, BE161881, AW131659, BF306325, AI146732, BF741443, AL041531, BE260390, BF811734, AW951865, BE963088, AW516123, AI126564, AI376222, AA399190, AI473708, BE298239, AI024470, AA069813, AI693963, AI038226, AA557265, BF832766, BF038178, AI146374, AI310457, AI371081, AI302272, AA613136, AI148411, AI080066, AI469677, BF315092, W58405, AA031461, AW301060, BE743266, AI366166, BF812723, AI097537, AI199004, AA479914, AW575954, BF956421, BE260076, AA156788, BE391447, BG169831, BG015923, AI814687, AA728764, AI859489, R72685, W74501, W61097, BF092603, BF092637, W58479, BF811740, AI683174, W79724, BF092611, AA974665, AI874214, AA156877, BE395715, AI568464, BF590686, BE336638, AI743500, BF948695, AI538384, AI039247, BF948453, AI149388, BE830442, BG059628, AA394042, AI625093, AW630225, BF092602, AI274730, BF446367, BE261854, AI040040, AI810483, N94374, AI446509, AI658968, AI367239, BF912314, H48071, AI018149, BE019825, AI589495, BF948722, W58139, AW511638,

AA158830, BE395897, BE830455, AW797898, N42429, AI807436, AA564365, AW664154, AA862859, AA587393, R89725, AW935394, BE830543, BF948713, AA025933, AA378526, T86572, AW860351, C05858, R69902, R87596, AA410731, BF948447, BE167227, AA292369, H15300, BE272841, AW265784, BE830458, AA586799, W74210, AA428501, AI634229, F11464, AI082322, AA827348, BE162645, BF948448, AI536577, BE562938, AI139675, U60644, AF026124, AC010271, AL117435, I48978, AK026480, X72889, AF056191, AL080124, AL137533, AK000445, AL137548, S36676, AL355701, I89947, AR020905, AL080126, AL049324, AF106657, AF219137, AK024747, AF200464, AK026647, AB049758, AF008439, I00734, AL050146, E00617, E00717, E00778, AK026506, U95114, AF130099, I48979, I32738, S61953, A77033, AL080110, AB048974, AF016271, S68736, AL389935, AF218014, AF116650, AF111849, M86826, AK027136, AF100781, AF218005, AK027164, AF106862, AK025541, AB040710, S83440, AR081734, AF116631, AB033884, I09499, U73682, AL137641, AR034821, AL133031, AL137292, A08910, AF116644, A08909, AB016226, AK027081, A08913, A91160, AK024855, AF057300, A91162, AF115410, AF057299, AL110225, AK024974, AL122100, A08912, AF158248, AF102578, AR011880, AR038854, AF116698, A08907, AL050277, AX046716, AC004227, AB050431, AL137479, AF017437, X76228, AF119899, A08908, AB048953, U67958, AL390154, AK000618, AL137529, U87620, S77771, AL117440, AX027129, S76508, E01314, AF077349, AK025099, AK024588, A65340, A65341, AK026528, AK026057, AB050533, AL137574, AL117457, AK026434, AL096720, AL137488, AL122093, X65873, I68732, A08916, X79812, AK000137, AK025084, AF159148, AF262032, AB047631, AF039138, AF039137, AK026551, AF116682, AL080086, AJ250403, I89931, AF113694, S63521, AF116610, AL359600, AF177336, AK027146, AB007812, AK025015, AL359623, AF130082, AF321617, AK000486, AK026600, A08911, AF175983, AR087170, AF091084, AK000653, AF130055, AF305835, AB052191, AF044323, AL137550, AB008792, X83508, AL110280, AL359618, AB008791, AK026462, AK026532, AF111112, A18777, AF113019, X66862, AL357195, AL137478, AL137530, AX014095, AF111851, AK026749, AK026613, AF094480, X70514, AK024538, AF132730, AX020124, AB052200, AF260566, AF177401, AF287051, AX040958, AL389982, AF260436, I89934, AB049892, Y10655, AL136884, A57389, AR083266, Y16645, A07588, AR053103, AF087943, AL049382, U58996, AF110640, AL049347, AB044547, AL137281, AL050116, U62966, AF185576, U80742, AF285167, AF162270, AL110159, AF026816, AL117648, AF116688, AF119336, AK027102, X62580, AF143723, AL137271, AF119859, AB047930, AL389957, AB049880, AF217982, AL359601, U96683, AF119857, AK027142, AK000391, AK000421, Z97214, AX026824, AX026823, A58524, A58523, AC009484, AL050108, Y11587, AK025378, AL133640, AR075044, AK026045, AB049900, AK026762, AK025092, AF155221, AL157483, AF047716, AX019230, T40409, T41255, T75154, T77600, R11447, T97936, T97937, T98633, T98683, T99300, T99301, T99936, R06737, R06786, R13789, R17827,

					Accessions
					R21300, R24774, R36859, R38515, R43031, R46146, R48308, R48410, R48837, R48836, R50605, R43031, R46146, R70155, R71373, R72615, R73704, H14786, H15694, H15747, H15786, H17811, H17812, H20794, H22611, H40823, H41607, H43789, H45364, H47720, R87510, R88795, R88794, R89030, R89726, H50894, H60992, H84383, H89495, H89641, N74100, W19372, W42783, W42898, W44469, W57868, W78899, W79097, W84333, AA025892, AA031482, AA040320, AA158788, AA158789, AA161030, AA427424, AA501350, AA523346, AA535958, AA541255, AA635851, AA744728, AA858101, AA873146, AA876672, AA894659, AA937250, AA976782, AA995084, W84394, C03893, AA292288, AA448902, AA453017, AA476579, AA722416, AA835064, AA852464, AA283459, AA860458, T03398, AA971995, AA947590, AI016219, AI039549, AI066699, AI086910, T15385, T17105, Z41095, T16680, Z45379, F01667, D45708, F04904, F05415, F05955, F07313, F08033, F09125, F11540, F13021, F13479, R12105, F09201, F10617, AI282756, AI288425, AI363724, AI453295, AI418866, AI471189, AI500689, AI131529, AI147105, AI247641, AI278086, AI291822, AI682136, AI682565, AI689335, AI696603, AI858413, AI918457, AI922927, AI953304, AW057752, AW073356, AW073834, AW074319, AW129483, AW138948, AW152247, AW166772, AW243760, AW264088, AW275276, AW189508, AW193597, and AW338298.
HE8CY70	294	999157	1 - 1830	15 - 1844	BE797192, BF530420, BE745297, AU117223, BF527457, AA496607, AU123909, BE872588, AW882094, BG013957, AU121939, AW351481, N79880, AW959439, F11971, AV693216, AW390117, BF931676, BF742689, AW997245, AW937846, AW800106, AW796165, BF931403, AW899383, BE700047, AL042881, AW899297, BE699796, BF819802, AA300925, BE149577, AW899299, BF743447, BE699998, AI570163, AA366791, AW899558, AU147665, AI978630, BF436552, BG010862, AW001282, BE700284, AA662508, AI635169, AW170627, AI890519, BF509786, AW130855, BE706148, AI783780, AI983256, AI801585, AA323509, AI193784, AI400088, AW009844, AI288952, AW166951, BE838621, BE819028, AW937780, AU151740, BE819006, BE838640, BF475968, AI983330, AW009053, BE819041, BE838648, AU129660, AW026864, AI199344, AI369124, AA348716, AA400881, AW117735, BE838678, AW169754, AW104779, BE904184, AB007867, X87904, and AJ011415.
HPCTI53	295	999243	1 - 1791	15 - 1805	AL535256, AL534951, AL537065, AL537065, AL534840, AL532662, AL534290, AL534839, AL537766, AL536321, AL536486, AL519773, AL519772, AL519772, AL534970, AL514450, AL536487, AL532832, AL515338, AL532707, AL517308, AL533170, BF966574, BF966824, AL533327, BF969218, BF312752, BF966857, BF971333, AW954554, BE741256, AU138028, BF348305, BE742610, BE746943, AL528920, BF966861, BF791964, AU134706, BE382457, BF793547, BG036726, BF206971, BF793341, AU136569, BE788895, AV705152, BE314586, BF528036, AU139364, BF315334, BF528947, BE786032, BF969765, AV705152, BG031513, BF970234, AI795976, BF966199, BE383501, AI147046, AW857216, BE784831, BF966444, BE259799, BF951728, BF527213, AL537064, H93036, BF951951, BE260158, BF951931, BF951912,

					BE272344, BF951882, BF951932, BF963797, BF793532, BF736319, BF967394, BF951823, BF206351, BF951943, AV725277, BF951844, BF310484, BF949141, AW950826, BF951921, AU155587, BG059659, BF951954, AA719571, AI903103, AW749442, AII39513, BF951914, AW055120, AW131760, AW206300, BF951948, AW007367, AW264054, AI479930, BF951891, AI889398, W22161, R98577, BF949145, AW022868, AA325961, W22547, BF951947, AI859274, AI937045, BF953182, AI674931, BF953774, BG059945, AW152390, AI421167, AI358946, AA351952, AA663971, AI570626, AW089614, AI816506, W23165, AI051421, AA223984, BF953890, BE383629, N64719, R59538, AW149616, W27223, AV748063, BF951940, AW088186, W22654, AA310910, AII27971, D50971, AA306133, W27691, AW601592, BF955877, AI968976, R99795, BF955880, W03949, W22668, AW023138, AA706039, BF827795, AA703119, AI863979, AA192563, AI214599, BF950362, W02054, AV649467, AI800651, AI351330, AA757687, T87574, AA719332, BF822783, AA192562, BE785696, AA224049, BE929872, H93941, H72692, AA324409, AI003374, F02699, AW051906, AW269062, W04337, AL517307, AV658059, AL515337, D55737, T28035, BG060133, BF88391, AL039136, T09093, T79847, R59539, AV729572, AI887005, AI735763, N67344, AV657216, BF883521, AA322725, AA323255, AA349534, R98578, AA325538, BE831381, AL534950, R87067, AA326612, AA349535, N66726, AA323468, R87722, W22251, AA324221, D55158, N91734, AA324648, D55834, AA210629, AA296762, AI584149, BF880245, N54059, H93942, R10276, AA349995, AI366374, D55097, AA322362, BF967818, N74171, D54022, T09092, AW118389, AA349102, N62326, W23146, AA688362, AA361639, AA365254, AA364990, F06406, BF953892, AA322496, R10277, AA319307, AA922978, R49790, F05496, BE766476, F01765, D29808, L10373, AF241727, AF241728, AI250569, D10653, AB047628, D26483, AF052492, AJ250563, AJ250564, R49832, R86940, R99022, N73888, AF241726, AJ250565, AJ250567, AJ250568, AJ250566, AJ250562, N93505, W21317, AA678299, AA757808, D25600, and AW090504.
HOPKN50	296	999313	1 - 1689	15 - 1703	AL531915, AL527360, BE903220, BF684028, BE561023, BF984727, AU129601, BF978548, AV718036, AW955129, BG257162, BF665251, BF667950, BF219086, BF038467, BE889796, BE565202, BF244797, BE564344, BF218992, BF576929, BF977553, BF976962, BF029347, BF540908, AL527307, AL531914, BF246890, BF687621, AA312280, BE940500, BE566742, AA700427, BF700934, R92253, BF977894, BF246242, BF666100, BF994346, BF001266, AI954614, BE503512, AA249583, AA188980, AI955047, N88235, AA249666, AA189047, BE877720, BF899120, AI341285, AI341287, BE543964, AF017790, Z59345, and AJ236630.
HAPAI17	297	999778	1 - 1280	15 - 1294	BF033653, AW444993, AI871043, BF032343, AI807343, AW510878, AI950459, AI826126, AA447467, BE857146, BF509983, AA001932, AA446661, AI859171, AA872128, AA922684, AI083866, AW297393, AU138791, AA775527, AW262576, AI361621, BF033189, AU155748, AI933363, BE645182, H13820, AA670262, D45494, BE899588, AA228815, AA315799, AA977654, AA683497, AI586990, AU134985, BF853051, BE315005, AW890841, BE788343,

HHAUV59	298	999808	1 - 1896	15 - 1910	AW769578, BE746090, BE019946, BE612484, BF035920, BE301953, and AK001832. AL048447, BF312839, BG024591, BG117134, AI678749, BE839416, AA675912, BF307871, AI765059, AW572765, AW007348, BE675880, AI885787, AI435265, AI075277, BF934019, BF309250, AW964131, AI524738, BE297104, BE933325, AI383625, BE773064, AW269313, AI522069, BG253109, BF933881, AA675911, BE888599, BE048871, BF056045, AI827292, AI830068, AW204343, AW001183, AI633366, AW732389, AA378192, BE047068, AW899221, BE743381, BF800703, BE747149, AW501959, AA312335, AI632305, BF057718, AW001192, BE258013, AW471190, BF935373, BE545235, BF034266, BE019131, AI763226, BF305211, BG004997, BF109329, AI187053, AI970090, BE440030, AI492245, BE140494, AA460452, W00626, AI628639, BF569680, U73200, AF311311, and AK025229.
HTXLL31	299	100031 5	1 - 2567	15 - 2581	AW851285, AI307751, AW851000, AW850996, AW851276, BF111184, AI860767, AA151346, BE326805, AI670955, AI670956, AW474917, BE962693, BF057083, BF692970, AI762646, N54275, AI304947, AI129360, AA431590, AI653467, AI523805, AW816568, BE933761, N78023, AI188725, BF684485, AA429000, BE046482, AI417222, AW003359, AI690557, BE222504, AI335940, AA035134, AW627685, AI765632, AI276573, AI301819, AW026872, AI285087, AA808713, AI262798, AI000876, BE698558, AW206586, AI341622, AA035133, AA088715, AI373092, AW851281, AW367644, AA088714, AI767023, BG223175, BE939909, AW851279, BF926936, AI537741, AW194241, AI138638, AA100747, BE010120, AI251120, BF223753, AW630988, AW166773, BF350566, N58715, AI289411, AW339814, BE243498, AA341869, AW339823, AA811859, AV650677, AW865812, AV654828, AI262069, AV657837, AI610516, BF196451, AI473271, AA431459, AW300347, AI631804, AW771246, BE153798, AW374420, AA100730, AI696300, AA135161, AW849214, AA135257, AA216017, AW865611, BE613126, AA149246, AA665876, AA341868, AW050441, AI174474, AA227718, N58433, AA249421, BF353512, AW391686, BF810441, AA535957, BE926241, BF885921, AII23195, BE174780, AI345415, BF911517, BE612556, AI345612, AI568293, AI345416, BF971669, AI654276, R36271, AI590043, AI370322, AI333104, BF763458, AL036901, AI520964, BF911521, AI583578, BG260817, AA761557, AV718258, BG179795, AI690813, AA618618, AI621341, AA814343, BG025897, BF997967, AI539260, AI918677, AW075382, AW085373, BF726255, BE439844, BE966699, AI638644, BE886790, BG257360, AV747571, AI434969, AI538850, AV756182, AI568061, AI282669, AI927233, AW955313, AI368579, BE620296, AL040243, BF970768, BF726231, AW167215, AI811840, AI500061, AW083572, AI419826, AV755821, AL046942, AI698391, BF792047, AV682387, AL039276, BG113299, AI499279, N25033, AA555145, AT744268, AI923989, AI370623, BE965129, AI826230, AW630386, BF725395, AW083573, AI866469, AW827289, AW128834, AI537677, AI580027, H89138, AI699175, AW020561, AW005029, AW263709, BG166654, AL039086, AW020419, BF765551, AL037602, BF835240, BF310166, AI679550, AI863002, AW959800, BE778453, AA749449, AW168406, BF344359, AI364167, AI635528,

HDPUH64	300	1000339	1 - 691	15 - 705	AL037582, AI287476, AI500658, BE393784, BF999944, BE047737, BF812963, AW161202, AI582912, AI658566, AV682054, AV704051, AW084151, AL120696, AI491852, C21335, BF343447, BE729660, AL036150, BF792928, AW025279, AW983783, AI473536, AL157431, A15345, AF118070, AF155148, AF026816, I33392, Y00093, X79812, X99971, AL389935, AL42643, AF124396, AF155827, I89947, AR022283, X66366, AL133619, A86558, AL157480, X83544, X59813, U49908, X97332, AF119336, AF143723, AF111851, AF076633, AL137554, AJ250403, AK026633, A77033, A77035, AK025407, X15132, AF159615, AL133637, AF130066, AK025113, AF232009, AF106697, AL137529, AL096728, AR050959, AF130055, AK026541, AR079032, AF178432, AF130105, AL133623, S36676, A65340, E03671, AL117587, I09499, AL137256, AF267849, AR068466, AL389982, U77594, AB016226, X66871, A65341, AK026885, AB048881, AL157464, AF111849, AL122100, A91160, A91162, AF116682, AK024533, AB040710, AF112208, U75304, AK026534, AF119883, AL137657, U92992, AK027095, AR029490, AK027173, AF120268, AF084644, AF084645, AL137488, X93328, AL133061, AC026473, AF167995, AK025378, AF113694, AF126247, X61399, AL050277, AK025099, AL117460, AF047716, AR038854, AF076464, A57389, A07588, AF081366, AL133088, S69385, AF058921, AF106657, AF090903, AL137465, AF116631, AK024992, E12579, AL137459, AK000285, AF017790, AF061795, AF151685, U73682, X59414, A03736, AF102578, M19658, AR020905, I48978, AF113677, AF065135, AK000103, AK027169, E01812, AK025092, AL133075, AF130099, AL359623, AF116650, A08910, U35846, AL137550, AL110280, AF115410, AK026593, A08909, AF116691, AB031064, AK026528, AB048910, Y11254, AL080146, AK026522, AF225424, AK026749, AF217986, AR083279, AK027146, S77771, AK025435, AF090900, U95114, AF208850, AR034821, AF130102, AK026857, AL050170, AL359941, A08908, AL049324, AK027081, AL137461, AF141289, AF131821, Z82022, AL442083, AF153205, AF132730, AB050431, E04257, AK024747, AF195092, AF208026, X93495, D83032, AL161802, A12522, A08907, X98066, AX016706, AF113019, AF116688, AF119899, X72387, AL080110, AK026630, AL117585, AL137574, AL096744, AL137557, AF067728, AX042059, U89906, Z35309, AF267991, AL080118, AK027164, AF119843, AL353940, AF162270, AF056191, AL137480, D44497, AL389939, AL137558, AF124435, AK026408, AF100931, AF130056, AL354776, and AA228088. AA481292, AA279864, and M78277.
HTTHS93	301	1000424	1 - 1331	15 - 1345	BE886817, BF981304, BG109169, AU135262, BE439496, AW239234, BF670052, AU138465, BF542074, AW239554, AW966687, N90372, N45516, W76608, AW949321, BF431123, AA307160, AA173490, BE185499, AV744410, BF063334, AW294497, BF675907, AI861878, BF980429, T29000, R11099, AU123270, R11071, AU123334, AA478933, BG181115, BE815659, AW363100, AA705027, AW363101, AI718686, AI718938, BE827298, N68560,

HMVCG79	302	100058 2	1 - 1858	15 - 1872	AA091199, AW754043, BE741054, D13645, AL365475, AK024584, and AF245442.
					BF971208, BE869819, BF676817, BE878141, BF312727, AA258513, N21319, AA258357, AW293672, BF772376, AI075876, AI337429, BF589677, H71643, H63685, H71642, N31254, BF447980, AI081147, AW169975, AI245423, AI079154, AI291037, AW008074, AW270768, AI446205, AW500064, AW277174, AW505125, H04371, AA364456, BE739747, W39161, AI636439, AI192631, BE738966, AW157005, BE383034, AI709174, AI028510, AA992126, AW275719, F23327, AW975049, AA743811, AA657835, AI205181, AA608683, AA728894, H79308, AA968509, AI434311, AV717634, AI625244, AI281881, AW674711, AA515170, AA340747, T06828, T48723, AA362573, AA865262, AL045077, AW368401, BE270471, AI524050, AV719311, AV682003, H67172, AW238278, AV757334, AW845750, AI754955, AA772016, AI804604, AW021583, AU125644, AL043721, AW971192, BF911530, AI654746, AW819611, AA669251, BF940837, AI932902, AA502155, H85059, T83057, AI284463, AI287651, AI811460, R94288, BF946625, BF766147, AW963291, AU144397, AI888365, AV732042, AW504326, H56013, AA774019, AI539776, BG059523, AI864260, AW276827, AA347927, AF244577, AJ387747, AK025880, AK026921, AF244578, AC007510, AL359894, AC007225, AL133412, AC003080, AF190112, Z98258, AC006205, AP001717, AC005661, Z94721, AL031594, AP000049, AP000116, AF190110, AF190113, AC004826, AL138721, AC008651, AF134726, AL020993, Z98051, AC003101, AC005037, AP000193, L78833, AC007676, AF002993, AC004821, AC010422, AL021808, AL121928, AF190111, AC010723, AC007739, Z84470, AL122003, AL121777, AL360227, AC007324, AC004385, AF200465, AC005088, AC007387, AC011479, AC007360, AC004906, AP000517, AC001066, AL022323, AP000311, AC003084, M87889, AC011895, AC005519, AC005229, U91327, AL031229, AL139382, AL138976, AC000036, AL390755, AL021878, Z82245, AL117347, AC004159, L81893, AC005840, AL050318, AC008155, AC012611, AC005015, AC000159, AF195658, AC005592, AL035417, AC011440, Z99495, AC005043, AC009178, AC035149, AL163278, AC004971, AB023049, Z98752, AL121586, AC009075, AC004076, AC027319, AC006948, AL118506, AL031722, AL031602, AL132825, AC008521, AL358214, AL049537, AL354696, AC000134, AC004186, I51997, AF031078, AF030876, AL136092, AC005486, AC008041, AL158830, AP000117, AC008171, AL096814, AC006511, Z78978, AC018720, AC007881, AL031587, AL050302, AC004812, AL136090, AL096791, AL031296, AC007243, AC010605, AC005256, Z74021, AC013451, AC010553, AF217403, AC020663, AC006536, AC005071, AC006305, AF029308, AC069080, AC003012, AF130418, AC004477, AL096819, AL355497, AP001669, AC008813, AL137073, AF317635, AL031848, AL022394, AF108083, AC010169, AC005952, AC005921, AC004526, AL391316, AJ009615, AC003007, AP000552, U82670, AP000359, AC002365, AC008543, AF205195, AC024561, AL160175, AC016027, AC011309, AC005295, AC018766, AL109614, AC005280, AC002082, AL353807, AP001421, AL022315, AP000013, AC008469, AC008958, AC022493, AC022493, AC007114, AC005763, AB002390, AC007156,

					AL121751, AC002472, U90094, AC005257, AC006275, AC002314, AC006167, AF036405, AC013429, AL445192, AL109955, AC004987, AC007381, AL353745, AL136137, AC007664, AC003966, AL136418, AL031256, AC004235, AL020996, AL355485, AC006079, AL163853, AC004895, AC008101, AF023268, AC009123, AL049843, AL033522, AC009079, AL390997, AF252279, AL031768, AC018644, AF094481, AL138807, AC007308, AL391119, AC006473, AC006597, AL355515, AC005052, and AC004981.
HODHK20	303	1000669	1 - 677	15 - 691	R64014, AA112737, AF176555, and AL136527.
HCHMO53	304	1000875	1 - 784	15 - 798	AV661850, BG169511, BG248919, BF206995, BE787624, BE292793, BG167015, AA149518, AW248322, BE788739, BG165453, W68799, BG165990, AW955265, W80356, AW027341, W80631, AW006772, AW006753, AA405876, AI568522, BF436364, AA142865, AI831235, BF032073, AW014568, W68728, AA807542, AA135477, AI077951, AI038765, AI371106, AA634984, AI279024, AA927093, AI131300, BF526325, AI346693, BE351031, AI818983, AI040435, AI862834, AI672933, AA847380, AW090192, AA725414, W49698, AI308968, AI342232, AA405750, AA719097, AI222540, AA135567, AW960497, AA291233, AI038328, W78749, N94738, W17032, AA308326, AI088656, AI032894, AI022131, W49697, AA806295, AI077792, AA878384, AA704008, AI342828, BF939427, AA973620, AA708319, N89773, AI355923, AA306672, AI093528, AA056216, AI271747, R92271, AI215791, BF055447, AA724958, AA894581, AI014948, AW005009, AA040439, AI146870, AI041232, AI220135, AI184832, AI216830, AA056217, AI161403, AW371794, AA906636, AA301648, AA464688, AI682824, AA304676, AA610246, AW009773, AA303948, AA380765, AA772960, AI018514, T34735, AA534787, AW998332, AA613084, AW248085, W78953, AA303607, AW079652, AW189904, AA996272, AA364075, AA04631, AA303545, AA356933, R91942, D25597, H90498, AA700414, AA704184, AA428953, AA303514, AA642176, AA809653, AA932960, AA229936, AA872832, AI963537, AI636251, AA284154, AA781331, AA992512, BF751365, AA040438, AA228480, C20802, BE168202, and AW376045.
HFKKG84	305	1001066	1 - 978	15 - 992	AII38616, AW300425, AW772406, AW268862, BF055191, AI742921, BF055196, AI654832, AW511109, BF445916, AI824093, BF590313, AI088790, BF513605, AW057904, BF116007, AW572798, BE467017, AI357591, BE299861, AI809223, AI523869, AI424949, AI343405, AI741265, BG032861, AI378380, AI222175, AI932241, AW967410, AW081363, AA236611, BF594076, AI394054, AI354679, AI292206, AW117384, AW340692, AI285920, AI452454, BF111690, BG117257, AI452979, AI857953, AW629001, AI738406, AI934760, AI743316, AI283498, AI918777, AI693913, AI272944, AI339174, BF941902, AI243940, BF446024, BF732754, AA687997, AI097628, BF515727, AA769454, BF446070, AI916272, AI097611, AW627991, BF445914, AI299722, AI085289, AI206071, AA237028, BE275495, BF001500, N30391, AI419554, AA470723, AI472547, AA765721, AA765517, AA884353, AW082296,

					AA833873, AI830794, AA805599, AA848012, AI701708, AII90215, AA631199, BE675217, AA811316, AA838411, BF877011, BF684599, BE044203, AI467933, AA806059, AI521761, W99354, AI423863, AW272466, N88425, W99323, AI939327, AA749159, BF224105, AW079604, BG119079, AA612797, AA456854, AW406410, AA773216, AW592726, AI005519, AW405439, AW804792, AA971365, AW361665, BF513794, AI735737, AW407072, R63432, AI916278, BF734194, BE774204, R65877, AA885203, AW804713, AI333533, AA764740, AF047002, AF086513, U89876, and AC005102.
HOFMT20	306	100133 3	1 - 288	15 - 302	
HPAMB04	307	100169 5	1 - 1309	15 - 1323	BE563085, BF971689, BF973050, BE409548, AV706183, BF685884, BE746940, BF684962, AI739106, BGI77492, AI831843, AV729983, BE889848, BE906979, BE902057, BE887637, AV702427, BF973465, BF683167, BF684203, AW439384, AV706746, AV751573, AV730781, AV730711, AV730171, BE888797, AV731759, AV723449, AV732002, AI421858, AV731708, AV726505, AV731977, AW001496, AV728270, AV730547, AV731043, AV731694, BF683357, AV752043, AV732149, AV731744, BE614064, BE614545, AV725927, AV710495, AV751921, AV706724, AV752443, AV730288, AV702869, BE883121, AV731313, AV707088, AV732653, BF001456, AV710534, BF684760, AV656240, AV711496, AV710938, AV758481, AV732200, AI884472, AV731275, AV727103, AV701611, AV659189, AV752447, AV723452, AV757088, AA654332, AV730165, AV702798, AV707783, AV730778, AV704592, AV730816, BE512957, AV758133, AV737377, BF127820, AV732353, AV710906, BE881971, AV702409, AV753374, AV726674, AV756895, AV755473, AV728872, AV711240, AV757887, AV733303, AV760693, AV730859, AV710417, AV761002, AV731915, AA587899, AV755874, AV662191, AV710375, AV732155, AV710562, AV752993, AA203213, AV751555, AV732089, AV704974, AV711413, AV713945, AV727932, AV652156, AV658362, AV763440, AV761270, AV728844, AV710825, AV756053, AV737379, BG030466, AV740829, AV729129, AV705280, AV737380, AV745415, AV706357, AV739275, AV726738, AV702637, AV711571, AV725369, AV705263, AV732746, AV702354, AV738275, AV745906, AV711344, AV746276, BF036894, AV732255, AV711567, AV729568, AV711274, AV703012, AV707171, AV752684, AV723195, AV707686, AV705020, AV763171, AI149441, AV704611, AV707117, AV710622, AV706035, AV731653, AV687176, AV701237, AV757823, AV713377, AV758003, AW873154, AV721645, AV709407, AA587336, AV701320, AV709897, AV728777, AV757553, AV710909, AV759183, AV710394, AV710086, AV704916, AV737413, AV704924, AV710941, AA918519, AV730449, AV736429, AV726067, AV740404, AV714368, AV724987, AV702954, AV709969, AV710935, AV726624, AV697638, AV731884, AV726520, AV709935, AV718341, AV756386, AV712324, AW080368, AV647654, AV710090, AV706104, AV729263, AV728715, AA812298,

AV725568, AV702498, AV757171, AV707685, AA643138, AV755714, AV743303,
AV763669, AV729220, AV729357, AV701728, AV755335, AV645778, AV702026,
AV727189, AI831787, AV703591, AV711475, AV728455, AV701538, AV757281, AV755783,
AV705234, AV718086, AV757864, AW001356, AV707798, AV712326, AV701560,
AV710146, AV746382, AV757686, AV701496, AV727355, AV707882, AI221530, AV706527,
AV702581, AV709967, AV757673, AV721993, AV706234, AV701783, AV760251,
AX020190, AX017252, AX014887, M13755, AR088705, AR079804, AR091393, AR017907,
AX008555, AX035462, M21786, AX032758, I13349, AX009712, AX035980, A91965, I66498,
I66495, I66494, I66487, AX046332, I66497, I66496, I66486, I66481, AR089207, AR089206,
AR089208, AR089205, A83642, A83643, I66485, I66488, I66490, I66491, I66492,
I66493, A83151, I66482, I66483, I66484, A91752, A58524, A58523, I05488, A32110, A60977,
AR075286, A92133, AX006823, A25909, I08196, AX021518, A68112, A68104, AX008865,
AX008867, AX027908, AX027904, AX027906, AX008868, A06419, A21892, AR027319,
AX033247, A23997, A91751, AR027318, AX033249, A68114, AX006821, AR067731,
AR037157, AR054109, A21895, AR067732, AX008265, A05160, A08030, A20502, A86792,
A58522, AX042372, AR069362, AR028564, A60961, AR062872, AR062873, A47368,
A64973, I19516, A20702, AX026824, AX026823, I19517, A89633, A89634, A43189, A84772,
AR080280, A43188, AR069364, I63560, AR009152, AR009151, I63561, I63563, A84776,
AX006825, AX006826, A84773, A84775, AX006822, A84774, AX001082, A60985, A60990,
AR073846, AR091716, A60987, AR002333, AR062871, E14304, I08776, A81878, A76773,
A22413, AR069374, I25027, AR069426, AR069375, I26929, I44515, I26928, I26930, I26927,
I44516, E16678, AR093385, I25041, AR093392, AX027815, A95096, A95106, A95105,
A98767, AX006816, I15353, A93963, A93964, A38214, I56772, I95540, AX006030, A91750,
A29109, A32111, A20700, I07249, AR068508, AR068510, AR068509, A63954, AR091571,
AR085090, I58322, I58323, AR003585, AR035975, AR035974, AR035977, AR035976,
AR035978, I08051, A58521, A91754, AX026821, AR031375, AX001325, AX001326,
AX001323, AX001324, AR020969, AR038762, AX006017, AX006002, AR031374,
AX001322, A49700, AR085082, AR085089, AR085091, AR085079, AR085083, X81969,
AX003194, AR036903, I01987, E12584, AJ244004, A90655, AX032993, AX032992,
AX009487, AX026543, A63067, A51047, A63064, A63072, AR068507, AR068506,
AX047064, D78345, X12660, Y16359, AR096545, AR038855, A85476, A85395, AR008429,
I44681, AX028305, I18895, AX047063, AJ244005, AJ244003, A92666, A92668, A92667,
A92665, A93016, A98420, A98423, A98432, A98436, A98417, A98427, I63120, AR095492,
X83865, AJ244007, A18053, M28262, AX011024, AX003207, R82663, R82716, N74696,
N93669, W05084, W24392, W24444, W58149, W69337, W70213, W70214, AA033754,
AA035139, AA035140, AA076221, AA084812, AA084813, AA101863, AA099830,
AA113116, AA112437, AA120815, AA120862, AA133211, AA149615, AA151978,

Clone					Accession Numbers
					AA165422, AA165585, AA190590, AA191138, AA583402, AA579978, AA826713, AA857618, AA872024, AA928327, AA406019, AA406020, AI040262, AI086993, AI279937, AI284104, AI287314, AI342093, AI220124, AI400897, AI401069, AI423557, AI423923, AI655140, AI219024, AI219325, AI221060, AI590778, AI336331, AI537436, AI695719, AI859937, AI870584, AI952448, AW117898, AW207232, and AW264135.
HODEK48	308	1001901	1 - 731	15 - 745	AI953677, AI671518, AL121981, M92068, M84463, and AL137062.
HVVCB28	309	1001954	1 - 988	15 - 1002	AV705264, AV706072, AV706342, AV683963, AV707762, AV694187, AW951755, AV699515, AV710786, AW245686, AV763373, BF697667, BF972835, BF975017, BE439856, AW157264, BF310083, BF316882, AW957501, BE384044, BF207677, BF973968, BF182807, AU132724, AV744429, BF683700, AW156898, BF679695, AW327446, BF304262, BF212277, AW157394, AW157568, BE386024, AW162103, BF030699, AW157848, BE279628, AU121488, BF592716, BF129943, AA714515, AU128379, AU132202, BE389756, AU129051, BE565716, BF203437, BF681016, BE390210, AW161723, BE512871, AU151235, BF669073, BE278479, AA569177, AI929758, BE382394, BF211728, AW157643, BE614992, AV762310, BE273274, BE738049, BF130086, AV742690, AA306206, BF310576, AI815789, BE798919, BF029321, BE738861, AA492221, AI816372, AA721785, BE264675, BE280939, BF210883, BF103929, AW328447, BF662957, AA613920, AW163274, BE263442, BF207125, BE732880, AA155809, AA838569, BE205828, BE745024, AA314964, AW157129, AA653797, AW157582, AW328047, AW157595, AI879648, AA593711, BF305419, BE737590, AW965976, AA308570, AW163024, AA315092, AW163598, AI879418, BE732475, BF308563, AW157358, BE260151, BF730910, BF218856, AI879034, BE972741, BE900481, AA639271, BF207691, BE874101, BE738854, AA316184, BE262070, AI815434, AA316597, AV759146, BF245330, BE898237, BG231178, BE251422, AW162463, BE615369, BE388738, BF030058, BF309764, AA643089, AI476317, AA864635, BF592225, AA641496, D56303, BE898521, BF667594, BE311679, BF972373, BE273794, BE273525, BE312295, BF688721, BE265187, AA534138, BE902139, BF128942, BE408376, AV735540, BF103641, AW161557, AW161834, AA580332, AW161148, AW161113, AW163562, AW161488, AW160452, AW163443, BF692470, AA631827, AW160484, AW160608, AW327362, BF679608, AA657409, BE293406, BE737921, BE567034, AA566005, AW162082, AV742714, BE293084, BE615779, AA316617, AW161089, BF025936, BE738577, BE513096, AW327447, BE563349, D53376, AW160793, BF029840, AW328448, D52332, AA306488, AW161199, BF237854, BE567138, AW163612, AW161394, AA314961, BE795148, AA045577, AW327644, BE735803, AA575907, BE293808, AW270644, AW163455, BF207912, AA809242, AW161187, AV706461, BF131453, AA582692, BE739396, BE738211, AV740235, BE738380, BF030477, AA314795, AI609865, BF305163, BE727394, AI815415, AI878968, BF541026, AV737405, AA507549, AV739015, BF312013, AA308374, AA308529, AA729046,

AV738259, AA535405, AA315075, BF571088, BE044995, AW440685, BF131704, AA639315,
AA641622, BF183293, AI937885, BF028056, AW327411, AA318333, AA102588, BE260106,
AA116039, AA310295, AA085896, BE250027, M81757, AL121893, X51707, AX020190,
AF242191, AF216207, AF242192, AR062871, AX026824, AR088705, AX021518, AR062872,
AR017907, AX026823, AR062873, A25909, A20702, A20700, A43189, A43188, AR025207,
X68127, AJ010350, A84772, A85396, A84776, AF252632, A84773, A84775, A84774,
AR067731, AR067732, A58522, A91750, AX035462, AX042372, A86792, A44171, A85477,
AX006816, AB037923, AX001322, AR093385, A18053, A95051, I18371, AX009712, A67220,
AR080470, AR077142, AR095492, A23334, A75888, I70384, A60111, A18050, A23633,
AR007512, AR037157, AX012337, AR043601, AX001082, I06859, AR079804, AR083151,
AX006821, AX006825, AX006826, AX006822, I60241, I60242, E12615, AX018504,
AR035193, A92133, AX003207, AX023553, AR027100, I28266, AX023548, AR085082,
AR085089, AR085091, AF092907, AR085079, AR085083, A02712, A10361, AR073846,
E13740, AX011024, AX003194, AR036905, A35536, A35537, AR095491, A11245, A02135,
A02136, A04663, A04664, AX035980, AR022240, I13349, AX009487, AX001323, AR072501,
AX001324, AR095490, AR072503, AR072502, AX026821, A02710, AR031374, AR031375,
A63067, A51047, A63064, A63072, A07700, AR068507, AX027811, AX027809, AR068506,
A13392, A13393, AX027813, AX030369, AX030368, AX027812, AX027810, AX027816,
AX027817, AX027818, AX027814, I21869, AX006820, AX035632, AX035630, AX035631,
AX035629, AX006819, AX047062, AX006818, AJ244004, AJ244003, A95117, A49700,
AX001325, AX001326, A58521, AX046223, AR020969, A38214, AX033488, AX033489,
I56772, I95540, AR018924, AX033474, AX033486, AR018923, A48774, AX023549, A48775,
AR015960, AX023550, AR000007, AR015961, AX006817, A23998, AX027925, A95052,
AX023554, A98767, A93963, A93964, I63120, AR043602, AR043603, AX023555, AX023556,
AX023552, AX023547, AX008555, AX023551, AX023546, AR074365, AR054109, I08051,
A70040, AX006823, A58524, A58523, A64081, AR072500, A24783, A24782, I03343,
AF261959, AF261960, A81878, AR069650, AF261962, AF261963, AF261966, E14304,
AR096518, A27396, AX000085, AX042377, AR091518, AX042375, AX042373, A49045,
E16678, A82653, E16636, AF261967, A93016, AR093392, I25027, AR069426, I26929,
AX006824, I44515, I26928, I26930, I26927, AX033490, AX033487, AF261964, A58525,
AR038762, D34614, AR069374, I49890, AR069375, I44516, AR000006, X73004, AC069451,
AF156296, I19516, A58526, A91753, Z96142, AR035975, AR035974, T52185, T52263,
T54445, T54499, T57543, T57550, T57593, T57601, T60520, T61263, T61315, T72761,
T72890, R23485, R26079, R68033, H02037, H41165, R99757, R99934, H73557, H73558,
H73582, H73583, H80870, H80971, H80971, H82840, H83061, H93358, N23076, N39892,
N72248, N73959, W02170, W17129, W24803, W42861, W42915, W45519, W45659, W67137,
W67138, W67210, W67354, W68096, W69077, W69221, W69789, W69877, W72287

W76313, W77816, W79712, W81154, W81155, W80982, W81085, W81384, W92265, W92264, N90116, N90971, AA025632, AA025633, AA040468, AA040708, AA046008, AA046009, AA046242, AA046433, AA053243, AA053307, AA055912, AA057843, AA058601, AA059430, AA081043, AA081044, AA082174, AA083518, AA083595, AA085270, AA085334, AA085895, AA120884, AA120885, AA143236, AA143293, AA146822, AA146823, AA157216, AA169593, AA171621, AA187798, AA186432, AA186431, AA191087, AA196832, AA196833, AA196927, AA425194, AA216342, AA225422, AA225433, AA225707, AA225962, AA226719, AA229237, AA228885, AA229578, AA467831, AA484636, AA482869, AA502759, AA505667, AA507196, AA508875, AA513000, AA513038, AA524585, AA527769, AA527981, AA533682, AA534293, AA535810, AA535908, AA536007, AA558536, AA559209, AA583322, AA583948, AA586414, AA588904, AA588104, AA593159, AA594386, AA595015, AA602062, AA602091, AA602139, AA602364, AA603130, AA603443, AA603797, AA604458, AA612644, AA612686, AA612757, AA612955, AA613422, AA613537, AA613568, AA614428, AA617670, AA622313, AA622452, AA627280, AA627286, AA627421, AA627556, AA627568, AA627646, AA627693, AA627694, AA627940, AA628071, AA631166, AA631746, AA632287, AA632923, AA635804, AA639543, AA640424, AA640765, AA569337, AA570152, AA572924, AA573321, AA576570, AA576787, AA576888, AA577246, AA577356, AA579894, AA580168, AA578260, AA578356, AA578794, AA568153, AA657738, AA657739, AA657790, AA658300, AA659383, AA661685, AA661734, AA689568, AA714313, AA714482, AA714893, AA715071, AA728776, AA729294, AA729587, AA737871, AA738119, AA740281, AA740962, AA742755, AA747239, AA807421, AA807768, AA809202, AA814141, AA858066, AA862736, AA863139, AA865047, AA865288, AA865376, AA865454, AA864541, AA872470, AA872852, AA872918, AA872917, AA873504, AA876156, AA876197, AA876659, AA877279, AA877331, AA903984, AA906742, AA907528, AA887926, AA918934, AA918995, AA922531, AA922546, AA922662, AA922778, AA911286, AA923297, AA926935, AA926943, AA927729, AA927752, AA931101, AA923136, AA931121, AA932748, AA932888, AA932593, AA936455, AA936478, AA931113, AA938130, AA938507, AA938618, AA939079, AA946642, AA946963, AA371114, AA961380, AA961391, AA968677, AA968849, AA970561, AA973860, AA954257, AA976192, AA976429, AA976452, AA976820, AA977312, AA977688, AA975171, AA983170, AA983188, AA985537, AA985671, AA987716, AA988705, AA977721, AA988735, AA991615, AA991729, AA995569, AA999827, AI000385, AI001086, AA989277, AI014469, AI018512, AI024894, AI053712, AI053859, AI053931, AI054012, AI001205, AI054130, AI054259, AI073933, F19443, N86977, N87104, N87884, AI054113,

N89167, AA090171, AA093432, AA094274, AA095172, AA096406, AA096415, AA104034, AA146678, AA165492, AA092816, AA643236, AA648047, AA648607, AA648802, AA649554, AA649814, AA649947, AA650093, AA651642, AA651738, AA651975, AA652576, AA653918, AA654054, AA654067, AA215873, AA247296, AA249303, F20836, AA410487, D11671, D12431, D11541, D11617, D11644, AA449824, AA449868, AA471356, AA476259, AA476829, AA478819, AA608805, AA669330, F21986, AA679277, AA709307, AA719961, AA722382, AA722616, AA782300, AA835368, AA835432, AA844885, AA845811, AA845952, AA846561, AA889674, AA984883, AA984961, AA984983, AA985280, AA985278, AA989626, AA989651, AA992674, AI051732, AI061367, AI061392, AI091938, T61363, AA682685, AI141709, AI141732, AI241991, AI241991, AI249614, AI249850, AI250015, AI250079, AI250732, AI250741, AI251029, AI251048, AI251147, AI251226, AI251293, AI251524, AI251540, AI251541, AI251634, AI251691, AI252066, AI252168, AI252289, AI252465, AI252525, AI252840, AI252896, AI252900, AI252904, AI254035, AI254067, AI254072, AI254089, AI254254, AI254373, AI254400, AI254828, AI255091, AI255136, AI144060, AI263662, AI265906, AI270879, AI271052, AI271152, AI271155, AI271199, AI271224, AI271257, AI271263, AI271282, AI271289, AI271309, AI271383, AI271385, AI271387, AI271486, AI271576, AI271583, AI275267, AI283771, AI283779, AI284641, AI284688, AI284884, AI284897, AI287745, AI305845, AI305870, AI305906, AI305932, AI305936, AI305985, AI306046, AI306216, AI306303, AI306319, AI306343, AI306346, AI306807, AI306850, AI306881, AI306889, AI306904, AI306903, AI307103, AI305331, AI305338, AI305400, AI305411, AI305445, AI305500, AI305549, AI305692, AI305749, AI305754, AI306111, AI307825, AI307848, AI307879, AI308324, AI308349, AI308380, AI308392, AI308428, AI308480, AI308509, AI308544, AI308548, AI308613, AI308895, AI308965, AI309658, AI310560, AI310564, AI310608, AI310620, AI310623, AI310630, AI311944, AI311945, AI334494, AI334497, AI334501, AI334513, AI334526, AI334530, AI334536, AI334579, AI334661, AI334770, AI335210, AI335232, AI335423, AI335464, AI336572, AI336706, AI337634, AI337633, AI337749, AI337778, AI340381, AI340383, AI340384, AI340492, AI343088, AI343166, AI345085, AI345094, AI345099, AI345109, AI341023, AI341930, AI347874, AI347874, AI348718, AI348966, AI348971, AI349037, AI349073, AI345124, AI345379, AI349687, AI349711, AI349725, AI349722, AI349895, AI349916, AI349976, AI349683, AI352601, AI360186, AI345482, AI345519, AI345552, AI345637, AI345664, AI350027, AI376492, AI379396, AI198106, AI198209, AI201733, AI202237, AI207321, AI371379, AI376492, AI216810, AI216812, AI222501, AI382593, AI436482, AI436525, AI214607, AI432828, AI432834, AI432891, AI434734, AI435712, AI473066, AI473080, AI432765, AI476098, AI573220, AI580619, AI580628, AI580640, AI580644, AI581230, AI473180, AI581261, AI623152, AI124931, AI124980, AI131416, AI223488, AI223484,
AI581231,

			1 - 1007	15 - 1021
HCOOS01	310	1002071	AI223495, AI223549, AI223580, AI223649, AI223704, AI223713, AI223727, AI223889, AI224289, AI224352, AI224809, AI143547, AI625606, AI174286, AI183364, AI183601, AI185468, AI185601, AI187344, AI189183, AI189381, AI192739, AI201013, AI217604, AI658648, AI658807, AI263631, AI265760, AI266632, AI610291, AI523621, AI609842, AI609879, AI609884, AI611448, AI611447, AI611463, AI611484, AI611520, AI612155, AI620899, AI620945, AI674313, AI686333, AI783737, AI819785, AI826782, AI829237, AI831423, AI831795, AI870032, AI810321, AI918099, AI936085, AI937203, AI973072, AW006926, AW007593, AW071389, AW071934, AW072506, AW072700, AW072878, AW073475, AW074792, AW075115, AW130969, AW265150, AW268123, AW268183, AW268248, AW268938, AW271866, AW271922, AW271934, AW273956, AW273960, AW273983, AW274123, AW079616, AW301343, AW301733, AW302323, AW302854, AW302900, AW302970, AW302994, AW303120, and AW304620.	AI493646, BE379769, AI198590, AI885002, BE410137, AA724372, BE887129, AA775803, AU119063, BG257779, BE275329, BF967587, BE622811, BF794186, BE383996, BE622393, AI609215, BG110376, BG251827, BF797445, BE622666, BE378725, BG178770, BG163601, BE886644, AV762534, BG176904, BE727819, BG178017, BE440119, BF794464, AL519912, AV713607, BE561633, AI589520, BG023742, BF795566, BF696339, BF683909, BG121121, BF972491, BE740441, BE896222, BG258177, BG165845, BE792706, AI758822, AI720036, BG167149, BE273493, BG106588, BF036065, BG121416, BE748777, BG178693, BE747370, BF673152, BF694696, BF311142, BG257145, BF978853, BE622360, BG115005, BE265028, BE514430, BF033686, BE547393, BF685701, BF128699, BF967501, AI279430, BG110265, BE617753, BG115943, AV701627, BF790566, BG255689, BE894932, BG166293, BG118209, BE906302, BE782621, AI582252, BE890540, BE891146, BE894373, BF941050, BG176838, BE894637, AW071125, AV724744, BE561559, BE780653, BE386243, BE256913, BF029165, BE894609, BF037386, BE892999, BF795785, BE780593, AW072017, BE277455, BE908330, BE535840, BG104177, BG252829, BE900716, AI858681, BE545764, BE908882, BE559508, BE893458, BE729543, BE729079, BF669146, BF038875, AI817058, BE906464, BE397601, BF699637, BE788914, AV705431, BE907005, BE875704, AI654680, AI660924, BF690962, BE564577, BE547604, AI683077, BF207689, BF036388, AW515034, BE391388, BE876290, BF671832, AI758668, BF576412, BE280015, BF028086, BF792235, BF668568, BE252791, BE957777, BE564962, BF669175, AW190525, BE728732, BE548821, BE784861, BF207647, BG259302, BG024280, BF035240, BG166433, BF692342, BF208249, BF032965, BF204153, BE727800, BE536436, AI608741, BE738447, BF037331, BF125062, BF130480, AW328511, BF984583, BF183090, BE549045, BE294035, BE865803, BF028525, BF692439, BG024622, BE779653, BF978988, AA573893, BE565537, BE563445, BF697929, BF541512, BE896811, BE786189, BE878863, BG029091, BE388411, BE564831, BG170387, BF344896, BF103673, AW440281, BF574876, BF978252, AV722736, BF038704, BE545726, BE743590, BF695246,

AW008118, AW275972, BG256569, BF035390, AV726371, BE784484, BE887871,
AU126152, BF692908, AI921526, BF732414, AW168228, AI758774, BE785438, BF575550,
BE785529, BF207605, BG179275, AV647661, AV715786, BE262370, BE737841, BF207983,
BE903735, BG029144, BE548684, BE886272, AV647656, BF670580, BF037893, BE729859,
BG029165, AV734844, BE388019, AV725555, BE886813, BE263566, BE910176, BE258541,
BE748480, BF103716, BF670703, BF207554, AA709150, BF038865, BE379824, BE537073,
BF382332, BE879838, BE564855, AX014111, X67951, L19184, X72297, AF196992,
AL161449, AF197013, D16142, I58006, D21252, AB023566, D30035, AB023565, AF221841,
AF157330, AB023568, D17083, D17255, AB023561, AB023564, AF157331, AB023562,
X72296, T48358, T48359, T71001, T71063, T72193, T72972, T67531, T69528, T86709,
T86804, T89854, T90890, T91159, T85694, T85895, T95466, T95467, R00007, R00008,
R12353, R23932, R23933, R37279, R63973, R64080, R73825, R73826, R76905, R77073,
R77445, R77538, R79797, R79808, R79894, R79908, H11925, H11926, H15192, H16754,
H16862, H19737, H20072, H21725, H22675, H24523, H26125, H26391, H39766, H41271,
H41373, H41374, H43544, H43545, H44881, H45180, H45181, R92671, R94833, H57801,
H58122, H58123, H62248, H62337, H69587, H69586, H80840, H80930, H85462, H85747,
H86829, H86902, H96591, H96708, H97829, H99614, N25266, N26147, N27161, N29792,
N33452, N33767, N33906, N36535, N38816, N39177, N40101, N42935, N44530, N44566,
N45252, N45445, N57801, N59012, N78685, N79046, N91819, N98480, W02726, W04566,
W15191, W15596, W17335, W24253, W25723, W30937, W31253, W31429, W31674,
W39685, W44989, W46619, W46654, W57768, W57804, W57841, W57622, W67135,
W67136, W73878, W73364, W73441, W77815, W80810, W80903, W92682, W92512,
W92513, W96375, W96526, AA001447, AA001482, AA021374, AA021375, AA037268,
AA037489, AA037569, AA039708, AA040262, AA040417, AA057011, AA074646,
AA074679, AA075303, AA088467, AA098947, AA100987, AA126026, AA126122,
AA126778, AA128010, AA128034, AA136619, AA136750, AA143234, AA143291,
AA143564, AA143565, AA146915, AA151446, AA151447, AA156218, AA157383,
AA159151, AA173294, AA179768, AA180442, AA181155, AA181156, AA181722,
AA186611, AA188254, AA190686, AA191758, AA191547, AA195441, AA223540,
AA223587, AA226000, AA492318, AA494110, AA494122, AA502106, AA507598,
AA514788, AA514873, AA528415, AA552615, AA554475, AA565272, F15669, F16933,
AA581814, AA583198, AA586937, AA595845, AA614778, AA617671, AA573709,
AA573723, AA573812, AA574303, AA574376, AA578752, AA659755, AA664837,
AA729778, AA745160, AA834428, AA857985, AA822210, AA863110, AA865697,
AA872434, AA873429, AA886860, AA903376, AA906811, AA911489, AA936617,
AA938224, AA962157, AA976529, AA994772, N78966, N84788, W92854, N87794, C02776,
C03798, C05344, AA039707, AA085518, AA092561, C17049, C18507, AA092877,

					Accession numbers
					AA091785, AA094970, AA204932, AA204950, AA204896, AA205357, C17615, AA652721, AA210924, AA211098, AA216762, AA218528, AA219404, AA263092, D11643, D12103, AA471249, AA480144, AA488397, AA488529, AA486068, AA486128, AA486422, AA489355, AA489412, AA496553, AA585267, AA635027, AA644308, AA668954, AA679932, AA706547, AA721996, AA758260, AA770256, AA779778, AA781610, AA815246, AA846860, AA853273, AA853274, AA889503, AA984482, AI022107, AI031932, AI034233, AI037993, AI037997, AI039824, AI042278, AI049808, AI074298, AI079220, AI041386, AI087144, AI091766, AI092557, AI092871, AI096669, T17333, T19273, F02221, F05977, AI247311, AI269692, AI274531, AI274561, AI274664, AI290448, AI298232, AI301883, AI302912, AI302911, AI344555, AI347322, AI347441, AI347790, AI358391, AI364377, AI365069, AI365088, AI368852, AI369616, AI445926, AI446426, AI446702, AI474605, AI476039, AI540531, AI540629, AI561036, AI563897, AI479735, AI567221, AI569736, AI571013, AI141421, AI142982, AI225159, AI627762, AI183302, AI185014, AI185683, AI189231, AI192662, AI199916, AI200268, AI243091, AI207385, AI537047, AI283142, AI300317, AI332814, AI333152, AI340283, AI521448, AI524556, AI674274, AI688889, AI689397, AI692224, AI699066, AI798437, AI818017, AI826423, AI827290, AI830039, AI830984, AI857248, AI912389, AI872318, AI813502, AI813514, AI932651, AI978675, AI983101, AI983148, AW084924, AW089879, AW103884, AW129163, AW168238, AW169551, AW238808, AW273574, AW276112, AW078791, AW303798, AW304338, and AW339059.
HDACA35	311	1002096	1 - 676	15 - 690	BF312404, BE731728, BE314717, AU129492, BE272910, R20064, AI908417, AV687270, BE079312, BF921407, BF851224, BF842773, BF593658, BF914990, BF312301, and AK001496.
HOVDG59	312	1002328	1 - 1148	15 - 1162	BE392523, BF341045, BF526954, BF345041, AA293895, BE393803, Z43548, F11332, F11336, AA324381, R15203, BF338150, AI291292, AW139401, AW139402, BE747964, R44374, AI656348, N62634, AI458990, AA973701, AL519859, Z39616, T58591, F08996, AI458684, AI457481, AA991427, BF791631, BF791764, AL519858, F08992, AU152841, BF341518, R56283, BF447914, N78405, AA644231, AA738248, AA928861, T58522, BF939563, BF732685, BF934189, AW162194, AI348901, AI560545, AI345347, AI589428, AI590043, BE538125, BF345306, AL036265, AL138386, AI554444, BF970853, AI537677, AL040241, AV701490, AW022494, AW020288, AL046466, BE011880, AL039011, AI540674, BE904902, AI953765, BF871314, AL514026, AW075382, BF835240, AI925404, AW827289, AL039086, AV682837, AI699823, AW020381, AI401697, BE904979, AA088789, AI537643, BE875959, AI628325, AI284060, BE047833, AV709580, AI491710, AA658033, AW834302, AI249389, AI936003, AV709935, BG122101, AA806719, BF572734, AL047344, AV682610, AW022102, AW079572, AW161579, AI242246, AI473451, AI922110, AW935969, AV745008, AI698391, AL037582, BF911517, AL037602, AI561356, BE964614, BG180032,

BF345858, BF034199, AW051088, AW022636, AV733105, AI621341, BF921291, AW168875, AI537274, BE875407, AI345688, AI923989, AI434731, AI684021, AW022584, BF814527, AI927233, BE543089, BG107625, BF856052, BF885082, BE965621, AI627600, BG122969, AI524654, AL038529, BE537531, AI570966, AV698583, AL138406, AI539707, AL118781, BE965067, AW827206, BF752353, AW132107, AW191844, AI567971, AV681731, BE965724, BF813196, AI800082, BF934149, AW263709, AL036548, AI282355, AW834325, BF698359, BG104820, AI678446, BE907440, AI581139, AW021717, AV717299, AW020397, AI886594, BE220757, AV758110, AI336506, AI254251, AI446373, AI929108, BF342119, AW303238, AW827228, BE964700, AW162189, AI433611, AI819202, AW020425, AV651436, AW082532, AV747571, AI249877, AV729760, AI866573, BE883285, AL036361, AI434223, AI345677, AL037521, W60514, AI280607, AI345543, AV757903, AL040456, AV706219, AI912434, AI866820, AW020592, AI889189, AW983832, BF527014, AV682530, AV682763, AI364135, AV755746, AL042515, AW161098, AW081383, BF752999, AL036631, AA070889, AL049053, AI559752, AV734082, AL045349, BG109347, AI873638, AL121270, BF814357, BG179295, AW020095, BF925370, BF904189, BF920893, AW163823, AW028442, AI818358, AL047675, AW172723, AL048323, AW192300, AW079334, AL045413, AW151136, AI567582, AI312428, BE879108, AI636788, AI539781, BF792511, AL048340, AV755614, AV755613, AI886055, AK001610, AL389935, AK026506, I48978, E06743, AF151109, AB048881, AF111112, AF078844, AF119909, AF097996, U87620, AL389939, AL096720, AL023657, AK025708, S68736, AL110224, AI8777, AF111849, AL137539, AL049339, AF090886, I48979, AF262032, I89947, X66862, AF225424, AL122098, AB047631, A57389, AL389978, AL162003, AL137574, AF087943, AF210052, A08910, AL133560, AF126247, S83456, A65340, AR068753, AK026057, AF260566, A08909, S36676, I33392, AL049382, AK027173, AX019230, A08913, AB040710, AL096744, AL137658, AL122118, AK025465, AL110222, AF104032, X76228, AL137557, A08908, AL390154, AF162782, I46765, AK024974, AF130105, AK026649, AF109155, AK024944, AL117457, AF119843, A08912, AL389982, AF130082, A83556, AK026464, AK024588, AK027096, AF090903, AF067420, AF183393, AL133665, AX019229, AF130059, AL122110, AF116691, A08907, AK024992, A08916, AF130055, A65341, AF159141, AL133080, AF119865, AF116609, AF116650, AF111847, AF177401, AL389951, AL137488, S76508, S78214, AK026462, AR013797, Y16645, Y10080, AF113019, AK026480, Y10936, AK000137, AK025339, E06788, E06790, E06789, AL137529, Y07905, AL137480, I89931, E05822, AL122050, AF143957, AF110640, X52128, AL137538, X84990, AF192401, A58545, S77771, AL137705, AR073709, AF192402, A08911, AR038854, AK026532, AL080118, AC002467, AR087170, AF130056, AK026528, AK000250, A03736, AK026624, D83032, AL080124, AF130104, AF215669, AK026642, AK026518, AK024747, AL117626, AB047941, AK026744, AB052191, AK024538, AF130110, AF113691, AI8788, D55641, AF116631, I89934, AF119875, X79812, X87582, A77033,

HTJAD78	313	1002459	1 - 1222	15 - 1236	A77035, I26207, AK000432, AK000618, AF118090, AL122106, X55446, AK025435, AB044390, AF116602, AX020124, AL049452, I30339, I30334, AK027188, I09499, AF130077, AK025484, AL137550, AL137292, AL355701, AJ250403, AF130058, AL050277, AC026430, AB051158, AK025967, Y11254, AK000655, X80340, AL359596, AK025209, AK026746, AK027164, AK025431, AB049758, AL353952, AR034821, AF106862, X83508, U51587, I68732, AL162004, AL117648, AL133637, AF081197, AL137526, X66871, AK025391, AK025857, AF081195, AF119871, AR070212, AJ242859, AB052176, I17544, AK025798, AF132730, AF047716, E01314, AB050431, AL050149, AL442072, AL080148, D16301, AL133619, U35846, AI005690, AL050366, AF175983, AL390167, AL137479, S61953, AF067790, Y16258, Y16257, E02756, Y16256, AL133093, AK026597, AF119896, AK026353, AL117587, AF115392, AF106827, and AK026741.
					BF976027, BF344410, AI935276, AI922295, AI453286, AI061447, AW084781, AI922740, AA633914, BF976158, BF975009, AI890517, AI685129, AA604548, AI564488, AA633898, AA554807, AA603094, AI676248, BF342159, BF976021, AI872299, AA482084, AA594007, BF663737, AA583477, BF128583, AI633036, BF448492, AI624124, BE138766, AW084033, AI972107, AI573054, AA554503, AI861992, AI635092, AA554603, AA603112, AI963159, AI885552, AW189893, AW170437, AI831674, AI913303, AW606610, AI432677, AI627447, AI660947, AI660631, AV684756, AI911860, AI355049, AW080943, AW606612, AI569431, AI554239, BF663657, AA554601, AI570775, AA604466, AA603208, AI824097, AI685224, AI814789, AI499106, AI709348, AI683645, AI921323, BF448566, AA618014, AI983813, AI696861, AI813565, AW088620, AI888446, AI861988, AI955000, BF913238, AI890071, AI982663, AI598119, AI887339, AI880599, AI635332, AI857980, AI924221, BE042860, AV690487, BF448526, AA411582, AA663959, AA643405, AW514722, AW778755, AI631308, AI653450, BE046117, AW393947, AW378521, AI871896, AW469981, AW629703, AW338410, AI872320, AW270036, AI922702, AW951505, AW172900, AI912327, AI673464, AI634576, AA548003, AA522521, BF882331, AI697305, AW339071, AI561092, AI564163, BF741504, AW393397, AI701064, AW662211, AW629802, AW819654, AW819651, AW629750, AI922443, AA554766, AW393944, AI935829, AI690539, AA663981, AI890080, AW368623, AW606617, AA528081, AW381195, AA618081, AW610019, BF883562, AI814167, AW514864, AI890736, AA669378, AI445509, AI569201, AA715192, AW610379, BF768600, AI913479, BF768451, AI861993, AI983877, AW364248, AW418532, BF915146, AI669056, AW338400, AI660695, AW384215, AL048475, AI829836, BF828709, BF976052, AW393995, AA487082, AW393913, AI660861, AI982860, AA487439, AW392248, AI499240, AA485648, AW582663, BF341158, AI888139, AI634623, AA715707, BE706882, AW440616, AW394006, AA618094, AW073757, AI872290, BF826058, BF879554, AA911629, AV686256, AA548191, AW383978, AW393994, AI811728, AA515655, AW972295, AI983040, BF882689, BF882683,

| | | | | AW951151, AW338071, AA809094, AW404817, AI677804, BE706887, AW393943, AI632844, BE718686, BF880645, AW404789, BF882984, AW815354, AW394005, AV647632, AW610508, AA634723, AW606623, AW364250, BF912860, AW664364, AA434303, AW380311, BF917179, AW629974, AW364283, AI823692, BF879353, AI569175, AI674060, AW631131, BF768446, AA622721, AW578646, AA554755, AI439933, AW405822, AI536861, AI636419, BF836114, AW192327, AW380979, AW394000, AW613218, BE706900, AW150030, AF045539, Y14737, Y14735, Y17957, E07334, M87789, A94061, A94048, I26929, S79307, AX002779, I07069, I27617, AR018923, AR000007, AR015961, AR051652, AR031186, A94040, E01321, AR031184, A07562, AX010615, AX010646, A99081, A99058, AR000006, AR015960, AX047023, A21385, A70359, A49389, A48778, A48781, AF027159, AF045538, AF045536, AF045537, I00230, AI250170, Z17370, AR038306, AR038307, AR038320, AR038321, D78345, X03604, AR035228, AR035227, K01316, X16110, L13307, X06766, E06998, I16573, AJ390241, AJ390254, AJ390259, AJ390260, AJ390262, AJ390238, AJ390237, AR029004, AF237585, AF237584, AJ390247, AJ390252, AJ390272, X99549, AJ390236, AJ390246, AJ390279, AJ390276, I08115, AJ390242, AJ390235, AJ390244, AF237583, AJ390264, AF237586, E06997, Z49801, X81695, Z49802, AR096913, AR096914, J00231, AJ001564, AR050856, AR035259, I25006, AJ001563, E01316, A58742, E01246, I26928, A48776, X70421, AX020392, AR050855, AX039184, AX039182, AX039178, AX039180, A58741, E01315, AR083725, AF150959, AR019521, AX047022, AR067945, AR050753, K00752, I68031, AR076919, AR019620, AR007967, I89769, AR070604, A63774, A63776, E12844, A48774, A48775, A48779, A63954, A58738, I36197, AX031159, A48782, A58740, M81770, AF062384, U03779, U03780, U03781, M81769, M81769, AR076929, AR089085, E05061, U03782, X74166, X74165, AF184765, A67300, X81696, A67262, A51866, AB022652, A67291, A94776, A67267, AB012909, AB027435, AB022650, AB027441, AB027443, AF184764, U92452, M98324, AB022655, E01511, AF191092, AX000422, R71893, H61354, AA937868, AI269560, AI275991, AI281711, AI300883, AI862183, and AI872921. |
| HCDCF69 | 314 | 1002468 | 1 - 1277 | 15 - 1291 | AL524278, AL519903, AL526355, AL527614, BF340905, AA713828, AI458100, AW262148, AI568466, BG164427, BF034879, AW1177724, BE620311, AA904657, AW131429, AI609416, AI033969, AW129436, BF689910, AA203178, AI805223, AW769228, BF130147, BF690136, AI805037, BF195173, AA412692, AA724441, AU152123, AL525376, BE885606, BF570214, AI249142, BE964545, AA582240, AU150923, AI025016, AA552508, AI122839, AI077898, AU147281, AA412693, AA827564, AI280970, AA151594, AA582141, BF568807, AI081702, AI906090, AW263533, AW338886, AI445429, BF769848, AA847301, AU159916, AA861986, AA534564, BF694201, AW169690, AA837848, AI262386, AA995557, AW055102, AI538339, AW068673, AI347587, AI021897, AA995739, AI344598, AL134886, AV711206, BG009909, AI810319, AA700365, AW589276, AA704292, AW079730, AI167694, AA293349, AA977304, |

BE250436, AI262385, AI192065, AI040274, BF573597, W93214, W93215, AI687634,
N36559, AA548158, AI301315, AI829027, BE857395, AI288840, N35598, AI313403,
W68378, AA552498, AA507574, BE906755, AA962477, AA723114, AA399449, W19181,
AW166339, AV748305, N21448, AW075489, BF035753, AI216217, BF690577, AI077427,
AI633969, BF690422, AA476241, AA962215, AA595418, AA613449, AI809008, C01509,
AA991972, R61344, AI470296, AA476240, R60330, AI560381, AA960950, AI475289,
AV654461, AI050834, AA362713, BG056841, W94131, AW079502, AI092050, AA627597,
T29078, R23845, AI364600, W68337, AA419309, BF725379, R48310, AA934635, AA402861,
F09209, BF995825, AA303242, AI784429, F02198, H27765, AW474231, AI348878, F29487,
AA303664, BE019943, AA829717, W25312, AW105090, AA772020, AI363750, BG054535,
T15626, BF475643, BF591433, AI659408, AA613063, AI669714, AI658630, AA610133,
AA340999, AA865740, AA331148, AI656307, AI360695, AA948311, AI916822, BF125067,
AI653065, AI653083, AW137529, AA903123, AI205509, AW370562, AW370559, BE671651,
AW361791, BE002099, BF341902, BE275766, AW361940, AA149474, AI654855, BE904953,
AW392531, AA341015, BG106097, AA550943, AW370576, AF114142, AV699669, R66242,
BF768969, AV718633, BE832865, BF769677, AV719049, AV718938, D20921, BE877883,
AA613064, BF692557, AW949645, AW975618, AW966389, AI910055, AA978217,
AW964468, AA405065, D80045, AW962245, W94036, AV719511, AV724520, AV719876,
AW965158, AW949642, AV727782, AW378532, AW966053, D59502, AW949643,
AW975621, AW966013, AV718692, AV718800, C14429, C14331, AV718489, AW966534,
D80195, AL096840, M98252, L06419, AF054274, AC004876, D34614, AX047063, A62300,
A62298, AX047064, AX047062, A84916, AR070327, Y17188, AR018138, D88547,
AX033851, AX020191, A82595, AX020190, AX035434, AX027925, AJ132110, AJ302649,
AX021518, X67155, A67220, D89785, A78862, D26022, A25909, AR016808, AR060138,
AR074545, X82626, AR092424, AR087649, AR025207, AF058696, AC002347, Y17187,
AR008278, AC006038, AB028859, AJ251973, AX028130, AR077702, AC005488, AL133418,
AC002470, AL049758, AC018731, AJ294956, AC004853, AL357560, AC006023, AL035415,
AL139184, AC007308, AC006057, AK026655, AL031668, AC002477, X68127, AL031293,
AL118520, AC005821, AC022150, AC023105, AC004539, AP001330, AP000354, AP001728,
AL136295, AC010271, AL133370, AC019227, AC006483, AP001712, AC006115, AL133377,
AL024507, AC005390, AF260572, AC008958, AC006330, AL121898, AC004973, AL121652,
AC008745, AC005088, AL049829, AC005837, L78810, AC010422, AC006120, AC006312,
AC005522, AL442124, AC010553, AL163249, AC004929, AC005920, AC020934, AC007868,
AC007367, AC004796, AC022201, AL021808, AP001748, AP001698, AP001732, AC005486,
AF258545, AC070055, AC007298, A94995, AF030453, AC006536, AC005629, AC002073,
AL031777, AL035407, AC008379, AC004797, Z68870, AF068862, AC004643, AL022324,
AL121751, Z86061, AL050307, AC005081, AC026122, and AL021154.

HPTTW90	315	1002479	1 - 1273	15 - 1287	AW170624, AW516181, BG117151, AU149061, AU155228, AW502495, BG122631, BE254060, AI673723, AI687960, BF814084, BG024360, H17924, AW196108, BE746829, R43739, BF824787, AA458536, AA454612, AW408007, AA847697, AA602768, AW514450, AI952211, AW051649, AL039873, AI168473, BF683651, AW500158, AB016794, L20431, I73380, AR066417, AC005516, Z69837, L27416, I23502, A39975, A39976, L28827, I73389, AB016793, AR066384, U24233, L23313, L23312, U18650, and L27415.
HSUBG36	316	1002492	1 - 961	15 - 975	AI185096, BF103789, AU117205, AU137241, AA733050, BE783499, BE618181, AV757786, AV743769, BF680487, BG027886, AI33721, BF541964, AI148205, AI811087, BE378837, AA987818, AA742752, BF685222, AW952792, BE302100, AA659440, AA732364, AI936096, AW327396, AL048083, AI279902, AI263891, AW440528, AV753064, AI826356, AU126592, AA432012, AU123006, AL048084, BE564318, AI470021, AV704356, AA316536, W45183, BE018474, AA625316, AI185537, AI076183, W80493, BF211327, AA316468, W84630, AW516105, BG030086, AA846523, AI422123, W78758, AW518265, AW084860, BE873984, AA313273, BF837020, AU126555, W91935, AA678021, BF211971, AI436313, AA573309, BE874605, AA740180, AW276292, AA652253, BF836170, BF240312, AA746960, F20803, AW005309, AV755665, AA505968, AA262737, AA643844, AA825665, AA825656, BF130913, BF209571, AA484987, AA657855, AA640115, BF218165, AI630419, AA747022, AW957951, AI630230, AI498286, W87610, AA483708, W84681, AW089021, AI085413, AA715002, W87901, AW817501, W94898, F33710, F36966, AA706906, AA384245, T28438, AW999579, AI349439, AA075194, AA659105, AA782910, AA484859, AA812174, AA075195, AA367098, R58158, AA894871, BG153113, N83465, AI339378, AI340881, AA344740, BF758034, D19829, AI613313, BF906690, AA865159, AA804898, W42658, AI144278, BF837009, BE963193, AV732657, AW162196, M21258, X12466, M37716, M15918, AC011533, M65125, M65126, M65235, M36001, X12465, X17036, AL033378, AC006599, M15919, X65704, M21253, X54048, S60260, D28435, and C14070.
HODFU72	317	1002527	1 - 1287	15 - 1301	BF676003, BE076759, BF959556, AI556964, BF362236, BE079009, BE244665, AV701402, BE929112, R18432, R14837, AB037841, AF257305, and AL353807.
HCNSF57	318	1002545	1 - 1013	15 - 1027	BF974713, AI141674, BF975632, BF338816, BF974359, AW084029, AW190207, BE560989, BF975863, AA402796, AV649126, BF128621, AI634404, BF976229, BE559541, BE562327, BE513271, BE559866, BE560810, BF664119, BE562370, AV651267, BF343082, BE270781, AV691558, BE562037, AI523289, BF128616, BE561313, BE559743, AI820745, BF343658, BF974797, BE561803, AV708819, BF664036, AI435293, BF663927, AA808888, AI963421, AI582211, BE560212, AI620843, AW575358, BE561081, BF976648, BF338856, AV697043, BE561605, AI799354, BE706916, AV688454, BE561129, BE562272, BE561382, AI589372, AV692175, AI573110, AI122978, BE140135, AA896973, BE156144, BE396449, AV693955, AW276248, BE562336, AA994436, BE559999, BE561378, AA558653, BE561302, AI066510, AI478690, AI141708, AI584008, BE561413, AI625973, BE271225, AI687371, BF128831,

BF129074, AI719062, AI920934, AV650048, AI445453, AW795778, AA610306, AA603214, AA522502, AI823675, AI683293, AI922820, AI679750, AI445754, AI732322, AA835350, AI799280, BF975970, AI445872, AW975591, AW384715, BE397522, AI570862, AI567878, AA714226, AI669062, AI671057, AI371776, AA588732, AI660658, AI630865, AI921033, AA621960, BE348983, AA602531, BE559826, AI749966, AA873284, BF663399, AI660702, BE396669, AI432525, BF678358, AI668562, AI697421, BE562391, AI735172, AI888467, AI635152, AI687264, AA614655, AA885325, AA291427, AI922578, AI926579, BE156102, AA846070, BE397742, BE514057, AI718405, AI523511, AA634210, AI125078, AI912338, AA581712, AI749760, AA714065, AA595896, AA961448, AW088481, AI581738, AI735345, AA661637, BE706889, AI453350, AA845193, AA826645, BF975920, AA835519, AI735028, AA565220, AI811759, AA715496, AA845910, AW629626, AW440403, N32777, AI597760, BF974336, BE561591, AA507478, AI568288, AW575295, AI832708, AA618554, BF337292, AA845701, AA482494, AA961759, AA628022, AI628036, AW167611, AA663973, AI625360, BE561110, AI707732, AW170539, AA961443, AI570288, AI819543, AA845725, AI536827, BE397699, AA632227, AI150921, AA737901, AW405767, AA746592, AW167546, AA808913, BE706920, AW083862, AI431690, AA983415, BE049434, AW191835, BF436639, AA663930, BE940533, AA902190, AV694047, AA744433, AW001545, AA715985, AA405195, AW378713, AI687032, AW081973, AA847755, AI493639, AI494206, BE267509, BF976592, BF663422, AA568981, AA835476, AA291969, AV704869, AA838038, AI434507, AI863381, AI811741, AA737922, AI476094, AA845187, AA838068, BE397611, AA554737, AA430490, AI081158, AA715187, AW193095, AA715283, AI721065, AA569217, AI538932, BF663137, AI625690, AA405129, AI459824, X57816, D87023, AC002060, X57818, X57802, X51754, E01593, X57812, X14583, M87790, X57810, X57821, X57809, X57805, X57815, X57811, X57822, Y14738, D01059, X57817, X57819, X57813, X57806, X57804, S77601, X57801, X57824, X02422, X57814, X51755, D87017, X57823, A49387, S42404, M98325, E15551, AF191795, X57820, U07992, AF209720, X57803, AB027448, L38565, Z85309, L38563, S77011, Z85373, Z85051, AF051809, Z85050, Z85053, X56270, U07991, Z85366, Z85369, Z85368, K01326, U86807, Z37373, Z85313, J00253, Z85084, AF026919, X57808, Z85045, L38562, L26400, Z85044, AF124178, X06875, X57826, AF026925, Z85047, Z18331, M61771, M34513, AP000345, X06876, AF026920, Z85118, AF115355, AP000346, AL022324, Z85096, Z85305, L29162, M34516, AF124186, M97924, L29164, Z85312, AJ224900, AF054646, L25296, AF103628, AF026932, AF115354, AF064507, X52203, AF194651, L38567, M27749, AF194646, L38568, AF194655, Z84867, AF063780, AF194648, M61769, J00254, AF063760, AF063759, Z84870, AF194644, AF194649, L29157, L29156, U70239, AF194653, L29163, Z85052, Z84880, J03011, S82748, AF194652, AF064511, Z84877, Z84884, Z84873, Z84879, Z84881, X52204, AF194652, Z84869, Z84883, AF124179, AF063778, AF063762, AF194642, AJ298619, AF064508, AF194647, AF194650, AF194656,

AF090353, AF060146, AJ233715, L26403, AF026934, AF063734, X64169, AF124177,
AJ233730, X65286, AF063742, U76675, Z46627, J00252, X54436, L21961, L29158, X58408,
AF054647, L38432, AJ241391, AF054645, L29159, L29160, AP000347, Z85352, Z84882,
Z31381, AF049749, Z70264, Z85116, Z85351, Z85049, AJ241419, Z73647, AF063743,
U86805, Z85108, AF063711, Z84886, AJ233724, AF103611, AF063779, AF107250,
AF063701, AF052804, X64132, L02326, AF058069, AF063763, AF058059, AJ132855,
AJ242559, Z85371, AF063732, AF064509, AF063713, Z85367, Z85372, L03680, I27686,
AF103591, AF060141, Z85307, AF049750, AJ241377, AF058058, AF063710, A60860, AF103690,
AF058061, AJ241412, AJ241389, AJ241389, AJ241377, AF058058, AF063710, A60860, AF103690,
Z85310, Z85054, AJ230309, Z85048, AF047229, Z85304, X03528, Z84927, Z85311, U95249,
T39258, T57780, T62542, T63045, T63293, T70889, T92408, T94334, T95028, T71328,
T86846, T84629, R00239, R46851, R47969, R48172, R48173, R48850, R49901, R49902,
R50298, R53104, R53489, R55314, R71773, R72186, R72739, R73382, R73492, H03656,
H14524, H14556, H14990, H14996, H15922, H21727, H21814, H21928, H22031, H22168,
H23960, H24658, H24783, H24839, H24881, H25027, H25133, H25256, H25404, H25405,
H25416, H25441, H25548, H25741, H25894, H26023, H26070, H27551, H28409, H28426,
H28778, H41922, H42496, H42508, H42752, H43146, H43189, H43280, H43557, H43631,
H43633, H43892, H45690, R83196, R83348, R88208, R88222, H50798, H51320, H52652,
H53633, H60966, H61185, H62072, H62290, H62408, H67545, H67544, H69974, H81240,
H81581, H67545, H81581, N23697, N23725, N26204, AA464247, AA464331, AA464461,
AA464486, AA465015, AA422124, AA425785, AA424895, AA429178, AA427851,
AA428108, AA429463, AA429480, AA491961, AA492150, AA494037, AA494071,
AA494072, AA501623, AA502037, AA506036, AA508723, AA515354, AA515370,
AA515559, AA523102, AA527670, AA535436, AA536100, AA552683, AA553718,
AA554744, AA558948, AA563961, AA565305, AA581176, AA587306, AA588598,
AA588748, AA610854, AA613083, AA614783, AA614850, AA568633, AA617837,
AA631160, AA631572, AA631590, AA631673, AA632246, AA640079, AA569311,
AA570365, AA580510, AA689238, AA713550, AA713555, AA713621, AA713623,
AA713624, AA713639, AA713701, AA713711, AA713713, AA713726, AA713736,
AA713747, AA713753, AA713757, AA713879, AA713900, AA713932, AA714281,
AA714601, AA715193, AA715254, AA715272, AA715285, AA715347, AA715350,
AA715513, AA715510, AA715530, AA715831, AA715847, AA715853, AA715874,
AA715881, AA715887, AA715892, AA715895, AA715919, AA715926, AA715925,
AA715928, AA715932, AA715950, AA715957, AA715986, AA715989, AA720718,
AA721568, AA721590, AA721597, AA728893, AA728900, AA728960, AA729006,
AA729077, AA729231, AA736486, AA737760, AA737860, AA737870, AA737943,
AA738095, AA738126, AA738158, AA738265, AA738330, AA738367, AA738403,

AA740777, AA742435, AA742496, AA742683, AA742760, AA742762, AA742777,
AA742778, AA742810, AA742808, AA742811, AA742821, AA743961, AA744006,
AA744007, AA744039, AA744051, AA744157, AA744164, AA744165, AA744159,
AA744200, AA744207, AA744214, AA744228, AA744298, AA744307, AA744316,
AA744347, AA744350, AA744395, AA744419, AA744427, AA744453, AA744458,
AA745318, AA745323, AA745361, AA745377, AA745384, AA745394, AA745397,
AA745409, AA745435, AA745469, AA745536, AA745555, AA745574, AA745584,
AA747846, AA767978, AA768077, AA770569, AA807720, AA804317, AA804824,
AA805015, AA805025, AA807473, AA807638, AA808776, AA808787, AA808790,
AA808797, AA808799, AA808801, AA808979, AA808989, AA809008, AA809019,
AA809033, AA809042, AA809045, AA809040, AA809048, AA809051, AA809091,
AA809097, AA809103, AA809102, AA809101, AA809112, AA809162, AA809171,
AA809177, AA809181, AA809176, AA809193, AA809197, AA825850, AA825943,
AA825947, AA826217, AA827556, AA838595, AA862866, AA864525, AA873761,
AA866034, AA885771, AA886144, AA887131, AA902234, AA903634, AA903657,
AA903773, AA903837, AA904288, AA904290, AA904296, AA904297, AA904298,
AA904302, AA904303, AA906836, AA906708, AA904284, AA910127, AA910148,
AA910151, AA910155, AA910573, AA910610, AA910639, AA909775, AA911376,
AA911511, AA911510, AA911516, AA911525, AA911616, AA911780, AA922524,
AA922779, AA922950, AA923296, AA927719, AA928662, AA934031, AA934607,
AA947721, AA961376, AA961378, AA961457, AA961708, AA961749, AA961854,
AA961867, AA962003, AA962605, AA962773, AA968763, AA969710, AA973162,
AA973166, AA973245, AA973770, AA974350, AA974524, AA977106, AA977840,
AA983479, AA983986, AA985604, AA989443, AA991460, AA991569, AA991930,
AA991976, AA994762, AA994768, AA994948, AA999681, AA975647, AA999934, AI000060,
AI000079, AI000369, AI000448, AI001201, AI001722, AI001848, AI002401, AI005593,
AI014730, AI053656, AI054185, AI075096, AI075109, AI082379, C210044, AA643426,
AA643436, AA643486, AA650385, AA650388, AA650400, AA650429, AA650431,
AA650440, AA650443, AA650445, AA650444, AA650458, AA650465, AA650472,
AA650622, AA284880, AA285022, AA285103, AA290841, AA291612, AA291808,
AA292325, AA293411, AA293475, AA293569, AA293666, AA399300, AA399479,
AA400950, AA401063, AA401056, AA402213, AA402778, AA402905, AA411306,
AA410609, AA410610, AA421428, AA421382, AA436407, AA443472, AA443490,
AA456782, AA454472, AA455148, AA455296, AA457713, AA479021, AA477910,
AA482501, AA481350, AA485374, AA485531, AA487885, AA487927, AA487996,
AA486484, AA487642, AA633950, AA634605, AA634638, AA663942, AA668827,
AA457110, AA457139, AA835556, AA835251, AA845267, T26354, AA897077, AA921304,

					AA984963, AA989634, AI004114, D25576, T50252, AI141662, AI245893, AI247019, AI263306, AI269448, AI274688, AI275190, AI302636, AI306050, AI310664, AI311350, AI311761, AI311859, AI335762, AI339347, AI340595, AI342031, AI343205, AI350244, AI350812, AI350872, AI357035, AI357763, AI358198, AI358814, AI360572, AI371972, AI372087, AI372095, AI376477, AI299588, AI382242, AI440292, AI433176, AI439322, AI473524, AI469645, AI470285, AI499884, AI540410, AI540470, AI540637, AI564704, AI565916, AI568314, AI568814, AI570075, AI570978, AI571851, AI581110, AI584046, AI222897, AI125036, AI224580, AI174300, AI653607, AI520904, AI537554, AI537577, AI538239, AI589489, AI634603, AI634918, AI635592, AI520805, AI611697, AI619535, AI640688, AI680383, AI682587, AI682738, AI682777, AI694081, AI696285, AI696532, AI702354, AI831395, AI858103, AI828792, AI864916, AI865736, AI866017, AI866388, AI866842, AI886051, AI870555, AI889668, AI889674, AI890054, AI891045, AI910642, AI912398, AI872510, AI804509, AI811597, AI814708, AI814773, AI921029, AI925278, AI952194, AI954388, AI954877, AI955365, AI926920, AI927537, AI955962, AI961899, AW002347, AW002833, AI979082, AI983192, AW081280, AW081935, AW084241, AW084358, AW084954, AW085642, AW085772, AW088957, AW071565, AW073895, AW075045, AW169274, AW263767, AW263845, AW264662, AW170655, AW265245, AW270528, AW272923, AW276448, AW276614, AW277182, AW188712, AW190695, AW190803, AW190892, AW191888, AW192435, AW193081, AW193328, AW194515, AW079400, AW079454, AW303899, and AW438872.
HODJU13	319	100254 6	1 - 421	15 - 435	D80043, AW973474, AW959597, D58283, AW975618, AW966029, AW959570, D80253, AW973307, AV699447, AV719557, AV718707, AV718692, D59610, AW959136, AV720211, AW978634, AW966059, AW966053, D80366, AV719822, AW966531, D80188, AW978661, D81030, AV699550, C14389, AW959202, AV718938, AV718633, AW959628, AW959799, AW960465, D59859, AW975613, AW958993, D80166, AW962082, AW960553, AW966075, AW966065, AV718489, AW973489, AW973482, D57483, AV722801, D51423, D59619, AW956397, D80210, D51799, D80240, AW973334, AV719324, AW966534, AW975605, AW973488, AV718931, AV720878, AV720731, AV723927, AW949656, AW949642, AW966022, D59467, D80212, D80391, AW966013, AW978648, D59787, D80022, AW966041, C14331, AW964488, D80195, D80219, AW966032, AW966054, AW975621, D59927, AW960473, AW965177, AW949629, AW965163, D80164, D59275, AW973541, AW965175, AV720791, D59889, AV720203, AW964756, AW966050, AV719188, D80227, AW958992, AW966062, AV718440, AV719783, AV720028, D59502, AV719468, AV718800, AW965185, AW965197, AW965196, AW973485, AW965184, AV718844, AV720464, AV718770, D80196, AV724520, AW959062, AW964477, AW956434, AW949641, AW949654, AV699927, AV700889, D50979, AA305409, C15076, D80024, AV721386, D80241, AW966023, AW960454, AW973330, AW959582, AW949653, AW949645, AW949631, AW949643, AW949618, AW949657, AW949655,

					D80269, D80038, AW960532, D80193, D50995, AW949632, AV720533, AW962245, AW964737, AW965158, AW949646, AW949633, AW949658, D80378, AW973447, D80522, AW975623, AV720812, AW753053, AW966030, D51060, AW966043, AV723097, C14429, AV701004, AW959469, AW960504, AW960564, D80045, C75259, AV700229, AW973465, D80251, AW752082, AV699746, AV718530, AW949630, AW960570, T03269, D51022, AW178893, C14014, AW179328, AV699682, AW965176, AV720654, AW973490, AW964532, D80248, AW177440, AV719000, AV720150, AA305578, AV744690, AV742001, AV742667, AV701125, AV701335, AV701166, AV742430, AV701149, AV701043, AV701332, AV701017, AV701248, AV742048, AV701431, AV699866, AV645344, AV719913, AV720616, AV699669, D80134, AW964468, AV645389, AV724977, D58253, AW949620, D81026, AV719049, AV701130, AV701419, AW378532, AW964766, AV701154, AV701422, AV719628, AV681510, AW960474, AV681491, AV700159, AA514188, AW962395, AW178775, AW951169, AW966049, AW973445, AV699479, AW369651, AV701443, AV720755, AW966331, AW966560, AV745080, AA514186, D80133, AV645343, AV700622, AV742022, AW753041, AV720151, AW178762, AV701357, AL034351, AX033851, AJ132110, A62298, AR018138, A84916, A62300, AX027925, AR070327, AX047063, AX047064, AR008278, AX021518, AF058696, X67155, Y17188, D26022, AX035434, A25909, AX020191, A67220, D89785, A78862, D34614, AJ302649, AX020190, AB028859, AR092424, AX047062, AX028130, D88547, AR087649, X82626, Y12724, AR025207, AI294956, A82595, A94995, AF260572, AR060138, AR016808, AR060385, AB002449, AR008443, AR074545, AB012117, AX015396, X68127, I50126, I50132, I50128, I50133, AJ287395, A85396, AR074141, AR066482, A44171, AR088705, AX042372, AR066488, AR016514, A85477, I19525, A86792, A45456, A26615, AR052274, X93549, AR066490, AR074139, Y09669, A43192, A43190, AR038669, AR066487, AR074136, I18367, A30438, I14842, AR054175, D50010, Y17187, D88507, AR008277, AR008281, A63261, AR008408, AR091537, AR062872, A70867, AR093385, AR016691, AR016690, U46128, AF135125, D13509, A64136, A68321, AR060133, I79511, AX035429, AX035428, AX035426, AR071754, U87247, U79457, AF123263, AB033111, AR032065, X93535, and AR008382.
HODIL25	320	1002551	1 - 1814	15 - 1828	AU120042, BE780972, AV715756, AV711451, BF347691, AI357871, AI818374, BG104561, AW613119, AL119040, AI610884, AW129956, BE840539, AA861081, AW080968, AI949210, AA088340, AA911979, AI890636, AI082565, AI253533, AU151586, AU150967, BE840639, AA594005, BE835307, BE349344, AL047924, BE835388, AI217066, AI401436, AW170795, BE439805, AI808939, BE567432, BG236052, AA232142, AI078839, AW193031, BE840631, AV754839, BG024161, BE769183, BE769133, AA421829, AA136375, AI080190, AA136322, AW958948, AA825391, AA147532, AI492527, AI493374, AI242642, AW029010, D59969, AW264735, BF096116, BF764397, AL041312, BF095708, AW627822, D79956, W95261, AI270468, R74381, AA355105, AW939263, BE925867, AA136289, AI136235, AA659078,

HUVHS56	321	100256 3	1 - 1064	15 - 1078	AA411994, AA321516, D61038, AL046548, AA484122, W95162, AA328058, AA402457, BE765922, AW373007, AI868183, AW452301, D60905, BE165512, BE165519, AI074733, AV724079, BE165394, AW581790, D60994, D81283, C15661, BF767644, AW674727, BE180860, AA193368, BE933971, AI983984, AW821218, BF742645, BE567242, BE171552, BE670051, AW902315, AA384773, BE939999, AA088339, AA598824, BE767834, AF273049, D83032, D83033, AR038860, and AF090903.
HPMJQ18	322	100256 5	1 - 810	15 - 824	AA203629, AL523163, AL521771, AL514552, AL536987, AL529628, AL530356, AL523994, AL526673, BE730806, AW161326, AV717844, BF210986, BE869187, BE792999, AA486503, BE618082, BE796377, AV647216, R18207, Z46093, W68658, T36060, W86087, AI766913, BG015222, AL529627, AL523162, AL121978, AF097441, and AF161438.
HLHCI46	323	100259 1	1 - 1120	15 - 1134	BF986504, AL049139, AW504150, AL521374, BE247529, U48730, U47686, I40052, A84439, A84463, L41142, U43185, AJ237934, AJ237937, Z72482, AF135123, AJ237933, AF135122, Z48539, U21110, U36502, U21103, X91988, Z48538, U24175, X97541, X78428, I23453, AF074248, AJ005638, and AF144565. BE745588, BE734397, BE743824, BE901231, BE743857, W07146, BF111606, BE546841, AI690974, AW088619, AW949727, AW814747, BE900714, AA403287, AI889156, AW814748, AW129598, AI683118, BE207596, AW328600, AI887762, AI610835, AA481380, N56708, AA481367, AI745462, AA436422, AA488506, AI925227, AA424928, AA488375, AA291206, BF854548, AW025142, AA436437, AI193004, AA191102, AA191618, AA425789, AA179594, AW814623, BF854596, AW328384, BE206324, AA429456, N91535, AA429409, BE206635, AI168355, N93766, AA410861, BE019724, N34948, AW173364, AA406034, AA132971, AA635680, AI873874, AA114122, AA902581, AA402655, AW439590, AI014384, AI805735, AW102991, N95256, AA181711, AA235638, AA179386, AA588888, AW945261, R70421, AA937052, BF111064, W24495, AI432991, AI688841, AA453901, AA292794, AW043790, AI742119, AI819826, AI589144, AI083623, AI167896, AI033708, R35071, AW878037, AI127889, H02585, H02673, N44015, AI126803, AI796496, AA179593, R27127, AA402674, R69440, R24530, AA188983, AI129225, AW005198, AW950250, AI612969, AW016758, AI874368, AI874089, AA995647, AI129225, AW051259, R35070, AI919412, R24517, BF510671, AA188982, AA775666, AI198246, AW024209, AA026820, N29700, AI669245, BF446304, AA669286, AI806083, R26895, AW024209, AA033732, AW814836, BF854598, AI868567, AA489419, R26659, AI381870, AI191233, AA033732, AW974642, AA706808, AW814634, AA489361, BF820587, AA191534, R24635, AA114278, AI340025, BF445525, BE466179, AI356663, AA626873, M28099, X62753, T80757, R24620, AI340025, BF445525, BE466179, AI356663, AA626873, M28099, X62753, J05013, M25317, U20391, M86438, M64782, AF061256, AF096319, AF219904, AF137374, Z32564, AF137373, Z32633, J02876, X69516, U89949, M64817, AF000380, U02714, S73490, S73474, AF000381, U78794, U78793, AL050348, and M35069.
HAOSD18	324	100260	1 - 1536	15 - 1550	AL515847, AL534208, AL537762, AL535078, AL521408, AL534660, AL534167, AL519104,

| 7 | AL521407, AL531143, AL519248, AL533590, AL515846, BE274427, AL532935, AL539786, BE410142, BE798166, BF976333, BE797642, BE741881, AL517855, BF688911, BE792925, BE799286, BE741134, BE799208, AI188330, BE740028, BE262602, BE790888, BE744158, BE793272, BF690295, BE799189, BE793928, BE793480, BF526574, BF526574, BE794100, BE314412, BE273383, BE262606, BE253599, BE798085, BE796042, BE616802, AA669257, BF975353, BF969757, BF128709, BE745927, AL516562, BF570360, BE562746, BE871018, BG034308, BF309971, BF968067, BG108333, BE799965, BE871595, BG179967, BE746832, BG035630, BE745574, BF972838, BG120599, BE746992, BF683554, BE729853, BE745011, BE797856, BE744133, BE728038, BF530424, BE899118, AA868965, BE513100, BF528747, BF974197, AI460312, BE900275, BE741191, BE796985, BE903700, BE899334, BF976576, BE299746, BG142236, BE253741, BF688948, BF338313, BE740139, BG106813, BE617934, AI190767, BG168099, BE561711, BE796170, BE299452, BE796513, BF307262, AI198603, BE731435, BE795300, BE621850, BE794731, AL517854, BE798181, BE796121, BE614176, BE795324, BG176876, BE744206, BE795954, BE792028, BE253810, BG119587, BG024816, BE249977, BE798781, BE792816, BE869820, BF570359, BF309848, BE260033, BG025922, BE797176, BE799688, BE738687, AI880000, AI309838, BF345278, BE791307, BE562856, BG254487, BG250211, BE740679, BG027569, BE561536, BE747625, BE560496, BG177221, BE544395, BF348342, BE741223, BG111664, BE798691, BE747991, BE747725, BE512709, BF965961, BE561441, BF570202, BG169357, BF983454, BF206257, BE616773, BE250347, BE745166, BE746444, BF569225, BG248417, BG256238, BG036182, BE898575, BE793830, BF796915, BE795825, BE902827, BF315880, BE304907, BE796295, BE742116, BE254031, BE891005, BE007739, BE796025, BG248757, BF529373, BF688686, AI955146, BE741030, BE795973, BE902356, BG176584, BF794561, BE906851, BE746969, BG107003, BE794049, BE748664, BE250378, BE262990, BE743097, BG109228, BG110598, BF204877, BE795621, BE745168, BE907294, BG256450, BE537865, BE293493, BG250496, BF797957, BE734165, BG248707, BF982635, BF663421, BF689069, BF972906, AA776886, BF794272, BF972049, BE545111, BF204819, BG034947, BF531007, BE796492, BG257582, BF340348, BF689310, BE563847, BE781024, BG257726, BE619549, BE794937, BF971553, BG024317, BE866945, BG034428, BF528153, BE740199, BE796837, BF344586, BE250205, BE868168, AI860555, BF971370, BE561421, BG106192, BE249860, BF965562, BG252764, BF528882, BF797353, AI816380, BE249978, AF119850, AC008038, X63526, ZI1531, X68142, M55409, AC005000, AC073322, AC004230, A74883, AR066494, AX030435, AI251859, AR060234, AX046357, AB026436, AR054110, A81671, AJ279014, AR069079, T39467, T40606, T48764, T49757, T49758, T50728, T50884, T51734, T52015, T52128, T53824, T53956, T56999, T57618, T58971, T59145, T59183, T59356, T59384, T60091, T60143, T60181, T60201, T60746, T60790, T60844, T61066, T61168, T69035, T70042, T70108, T73078, T73176, T94355, T94710, T94973, T95023, T98043, T98051, T98131, T98142, T98148, T75452, R00801, |

R01454, R18962, R20377, R26003, R26806, R35123, R35879, R39285, R43764, R43973, R49511, R43973, R43764, R49511, R67115, R68840, R68956, R69964, R76254, R76536, R79621, H15027, H18185, H18186, H21742, H24618, H25138, H25586, H26633, H26692, H28506, H40145, H40505, H38494, H43619, H44668, H44919, H45619, H45620, H47660, H47970, R84712, R86897, R86978, R88061, R89804, R90847, R90871, R95965, R96001, H56942, H57735, H57736, H64120, H64167, H66314, H67377, H67428, H67698, H67738, H67788, H68019, H68063, H69325, H69422, H73297, H74115, H73263, H73453, H81724, H84175, H84176, H85279, H85880, H85948, H86015, H86553, H86641, H86655, H86712, H95000, H96626, H96627, N20329, N21489, N22965, N24253, N27603, N31926, N32378, N35981, N36367, N37026, N42762, N44231, N46464, N49702, N49808, N52487, N53042, N58482, N58724, N63211, N68064, N68102, N68839, N71017, N73226, N74729, N75039, N78071, N78211, N79821, N80501, N80543, N92052, N92378, N93140, N99097, W01913, W05717, W15443, W20318, W24121, W24620, W32788, W38988, W39627, W40397, W45405, W44474, W46815, W46865, W53044, W52732, W52887, W56218, W56843, W44475, W59985, W60332, W60531, W60700, W60761, W63758, W68538, W68539, W73716, AA001499, AA001500, AA001541, AA001514, AA000995, AA000996, AA011011, AA011045, AA016050, AA016106, AA017600, AA018746, AA018582, AA018915, AA018925, AA018801, AA019006, AA035650, AA035753, AA045608, AA052998, AA053530, AA053710, AA053871, AA054213, AA054340, AA054375, AA053154, AA055210, AA055300, AA055798, AA055849, AA056615, AA056704, AA057486, AA058862, AA059326, AA062756, AA062795, AA063462, AA065002, AA069276, AA070088, AA070089, AA069958, AA070688, AA074061, AA074124, AA074584, AA074685, AA075760, AA078928, AA079351, AA079590, AA081071, AA081072, AA081505, AA081952, AA083347, AA083443, AA083782, AA083905, AA083997, AA084252, AA084253, AA084360, AA084658, AA084925, AA084943, AA085028, AA086250, AA086417, AA086260, AA086441, AA085708, AA085709, AA085657, AA088923, AA088874, AA098913, AA098914, AA102330, AA100708, AA100761, AA102577, AA100401, AA101341, AA101342, AA101366, AA101367, AA101432, AA101480, AA101526, AA101527, AA102751, AA102752, AA112811, AA111912, AA112014, AA112019, AA112120, AA114095, AA114094, AA114239, AA115626, AA115627, AA115834, AA115835, AA121126, AA121369, AA121327, AA121358, AA121359, AA121375, AA121368, AA129024, AA129110, AA121551, AA121416, AA126240, AA126312, AA126350, AA126350, AA129024, AA129110, AA129477, AA133585, AA133707, AA130678, AA130747, AA131179, AA132024, AA132146, AA132234, AA132259, AA132354, AA132251, AA132868, AA133021, AA134610, AA135995, AA143474, AA143475, AA147333, AA147352, AA147403, AA148210, AA148209, AA151170, AA151171, AA151850, AA149696, AA151957, AA149950, AA152060,

AA156163, AA156327, AA156497, AA157476, AA158806, AA159202, AA160302,
AA160331, AA160238, AA159833, AA161027, AA161012, AA161089, AA161157,
AA161156, AA160790, AA167799, AA169784, AA169759, AA169720, AA171392,
AA171444, AA171456, AA172159, AA172175, AA171978, AA172309, AA172310,
AA172328, AA172126, AA176511, AA176512, AA178930, AA179021, AA179263,
AA179735, AA179833, AA180178, AA180329, AA180505, AA180837, AA181554,
AA181780, AA181746, AA181814, AA181916, AA182448, AA182512, AA182528,
AA182702, AA182801, AA187589, AA187837, AA186488, AA186592, AA186608,
AA186882, AA187051, AA188286, AA188536, AA188786, AA188776, AA190762,
AA190420, AA190934, AA190576, AA190995, AA190599, AA191120, AA191146,
AA191295, AA191676, AA191587, AA192857, AA192294, AA192383, AA192392, AA192360,
AA192450, AA192118, AA199914, AA193067, AA196772, AA196958, AA197010,
AA197041, AA199842, AA226754, AA223864, AA224161, AA224168, AA224349,
AA224411, AA226766, AA232395, AA226805, AA226845, AA227160, AA227504,
AA227510, AA232378, AA252696, AA233395, AA233209, AA233588, AA251593,
AA252275, AA252284, AA225829, AA463314, AA177136, AA224920,
AA225743, AA225828, AA493685, AA229952, AA259203, AA467976, AA468348,
AA468350, AA484101, AA513435, AA502728, AA506020, AA508187, AA508558,
AA508711, AA513435, AA515539, AA515910, AA523635, AA524448, AA525840,
AA526394, AA526488, AA534050, AA526570, AA527571, AA527600, AA530923, AA531538,
AA531588, AA532884, AA548618, AA535666, AA535771, AA541390, AA541684,
AA548508, AA548538, AA552442, AA548628, AA551282, AA551719, AA551918,
AA552102, AA552349, AA557992, AA552642, AA552649, AA552718, AA552839,
AA552852, AA557181, AA564815, AA559110, AA563694, AA563709, AA563814,
AA563875, AA564416, AA582356, AA565497, H84873, F17523, AA581364, AA581658,
AA582333, AA582356, AA583095, AA581809, AA583626, AA583670, AA588203,
AA587660, AA587876, AA588040, AA588055, AA588761, AA595059, AA595092,
AA595109, AA595387, AA595445, AA595567, AA596069, AA601140, AA602083,
AA604041, AA604161, AA605019, AA605239, AA604295, AA604603, AA604817,
AA612569, AA614117, AA614132, AA614289, AA618095, AA622381, AA622516,
AA631045, AA631364, AA631628, AA631815, AA635713, AA569432, AA572720,
AA573358, AA573758, AA573935, AA574338, AA575845, AA576057, AA576321,
AA577578, AA580210, AA580278, AA580402, AA580428, AA580493, AA578838,
AA580579, AA580637, AA565920, AA565960, AA657990, AA658159, AA658465,
AA658497, AA714309, AA714727, AA715729, AA720679, AA740798, AA740806,
AA743151, AA749324, AA766355, AA768920, AA809583, AA832524, AA826250,
AA827326, AA828006, AA826788, AA826867, AA829288, AA833908, AA833976,

AA834080, AA834132, AA836827, AA838374, AA838385, AA838545, AA838597,
AA837953, AA837981, AA847630, AA847786, AA856696, AA857058, AA857958,
AA857979, AA862167, AA865179, AA865221, AA865545, AA864197, AA864960,
AA876527, AA876734, AA857807, AA865441, AA878011, AA878144, AA878583,
AA886935, AA888496, AA878166, AA908564, AA911647, AA916058, AA923276,
AA936007, AA937762, AA938061, AA946713, AA954127, AA961885, AA962070,
AA962090, AA968569, AA970633, AA969845, AA970873, AA974517, AA976259,
AA976400, AA977814, AA983198, AA985508, AA987346, AA988691, AA991415,
AA991628, AA991895, AA991919, AA995499, AA995559, AA975732, AA975759, AI002499,
AI028381, AI056393, AI057168, AI074379, N83346, N83353, N85004, N85456, W03212,
W38396, N86041, N86162, N86444, N86473, N87706, N89007, C03249, R29590, R29612,
R29161, AA063468, AA641230, AA081217, AA084128, AA090001, AA090208, AA090231,
AA092120, AA092896, AA093275, AA094761, AA095228, AA095280, AA095726,
AA135388, AA190811, AA192632, AA192918, AA206326, AA206160, AA206882,
AA206881, AA206889, AA204771, AA207237, AA207269, AA204805, AA204914,
AA204991, AA205002, AA205056, AA205122, AA205266, AA205371, AA205418,
AA205568, AA205350, AA643633, AA643960, AA652484, AA653991, AA654006,
AA654014, AA654081, AA654113, AA654347, AA210984, AA211382, AA211431,
AA211755, AA213850, AA216165, AA219572, AA233425, AA247427, AA247454,
AA248377, AA247598, AA248512, AA247782, AA249396, F20240, F21308, AA411493,
AA436347, AA456763, AA471113, AA487908, AA488022, AA488487, AA488613,
AA488638, AA488662, AA485986, AA486020, AA486045, AA486229, AA486242,
AA486243, AA486383, AA486917, AA489528, C74996, C75002, C75268, C75272, C75371,
AA585252, AA598666, AA598848, AA599884, AA600220, AA600225, AA626485,
AA634987, AA653140, AA653369, AA653498, AA663261, AA664400, AA629606,
AA665515, AA665695, AA665887, AA665994, AA666028, AA668262, AA669424,
AA669561, AA670339, AA680317, AA679944, AA676286, AA676490, AA431788,
AA432048, F22079, F22458, F22621, F22820, AA678784, AA703886, AA704121, AA704569,
AA705861, AA706450, AA706557, AA716264, AA722300, AA724243, AA774666,
AA774667, AA776235, AA776898, AA780479, AA780977, AA824264, AA843147,
AA844814, AA844817, AA845213, AA845705, AA846294, AA853313, AA853314,
AA853635, AA853753, AA860605, AA860726, AA860967, AA868561, AA889992,
AA890337, AA773320, AI003515, AI015165, AI023020, AI049742, AI051118, AI055905,
AI057435, AI074213, AI077665, AI087067, AI087922, AI088587, AI092310, AI092416,
AI092456, D19908, T15453, T15515, T15573, T15629, T15938, T15990, T23638, T16191,
T16231, T16274, T19185, F01515, F01700, F03024, F03025, F05264, F04884, F05438, F04181,
F04629, F06756, F06757, F08672, F08414, F07922, F00658, F00996, T69112, F10690, Z20191,

AA550991, AI244501, AI249482, AI249915, AI250640, AI252221, AI254250, AI268534,
AI269994, AI270077, AI270316, AI273936, AI275194, AI275662, AI275733, AI279921,
AI280564, AI281831, AI282440, AI282509, AI282845, AI282900, AI282975, AI284665,
AI285707, AI288113, AI289423, AI289513, AI291417, AI309189, AI336768, AI347801,
AI352656, AI355022, AI355162, AI355509, AI357471, AI357736, AI358716, AI358761,
AI360574, AI362364, AI362550, AI362646, AI364601, AI364790, AI364941, AI367198,
AI367327, AI367568, AI367934, AI368224, AI368259, AI368260, AI368518, AI370218,
AI300098, AI202305, AI202666, AI436400, AI453649, AI445071, AI445383, AI434574,
AI440429, AI431666, AI431969, AI440073, AI453292, AI453317, AI458840, AI472520,
AI473607, AI473613, AI473625, AI476377, AI468874, AI469463, AI469523, AI469640,
AI469761, AI491763, AI524370, AI540250, AI540425, AI554209, AI559707, AI561133,
AI563969, AI565059, AI565578, AI565604, AI565739, AI499276, AI499371, AI420851,
AI567292, AI567298, AI569411, AI569436, AI569500, AI569910, AI570306, AI571946,
AI573005, AI584104, AI128621, AI140078, AI224025, AI141155, AI225046, AI623950,
AI631127, AI174496, AI174507, AI185021, AI185040, AI185848, AI185972, AI185991,
AI186997, AI189696, AI189918, AI192753, AI207899, AI190003, AI636421, AI636821,
AI638580, AI537559, AI537650, AI538699, AI539191, AI282046, AI587649, AI334257,
AI338152, AI338696, AI349416, AI669912, AI598204, AI610172, AI632042, AI632421,
AI633222, AI633459, AI634334, AI634695, AI635214, AI635337, AI635474, AI635497,
AI636318, AI524206, AI538319, AI539611, AI590827, AI608792, AI609151, AI611833,
AI613279, AI613291, AI619671, AI619684, AI619747, AI619884, AI619940, AI619958,
AI640693, AI672109, AI674917, AI682656, AI682912, AI683989, AI686015, AI687066,
AI687122, AI687367, AI687625, AI687894, AI689435, AI690332, AI690761, AI690926,
AI697091, AI744197, AI744336, AI744916, AI744939, AI745130, AI745661, AI758525,
AI763125, AI697290, AI697292, AI697394, AI698261, AI698408, AI700060, AI701909, AI702378,
AI783474, AI791903, AI798248, AI798261, AI800104, AI800365, AI800455, AI824543,
AI824659, AI824682, AI826179, AI827452, AI831330, AI858492, AI859351, AI859543,
AI866023, AI866256, AI866351, AI868061, AI869302, AI873634, AI873667, AI874090, AI874294,
AI884431, AI886745, AI888061, AI890707, AI888290, AI888360, AI888472, AI889337,
AI890202, AI890630, AI890898, AI910898, AI911012, AI911940, AI912370, AI912473,
AI871912, AI872094, AI872277, AI872380, AI872380, AI811052, AI811170, AI811199, AI811717,
AI812023, AI812093, AI813568, AI738489, AI914732, AI914836, AI914930, AI917925,
AI921054, AI922101, AI923430, AI924112, AI924732, AI925150, AI925623, AI949383, AI950814,
AI951622, AI952578, AI953885, AI954889, AI955134, AI955623, AI926475, AI926621, AI932656,
AI932850, AI933521, AI934180, AI934222, AI956114, AI961558, AI962122, AI962125,
AI962864, AI963687, AI969437, AI969524, AI969587, AI970037, AI972117, AI972126,
AW002579, AW007078, AW007316, AW008403, AI978993, AI979092, AI982705, AI985895,

1930

				1 - 492	AW079966, AW079972, AW080292, AW080378, AW080547, AW081603, AW081958, AW028435, AW028438, AW028440, AW029236, AW044025, AW057669, AW085683, AW087379, AW088112, AW088178, AW088238, AW088652, AW088788, AW089613, AW089708, AW089942, AW090289, AW103020, AW105465, AW058389, AW070575, AW070779, AW073272, AW073420, AW075366, AW078622, AW128875, AW130045, AW130154, AW130478, AW130751, AW130788, AW139267, AW148753, AW149745, AW150066, AW150090, AW150238, AW150927, AW151507, AW151951, AW167094, AW168466, AW169091, AW169316, AW169660, AW196649, AW196884, AW236392, AW236410, AW239133, AW243641, AW261959, AW263935, AW263973, AW264030, AW264072, AW264206, AW264777, AW169793, AW170758, AW173476, AW173483, AW183131, AW188626, AW265207, AW269632, AW272384, AW272561, AW272574, AW272592, AW272679, AW272714, AW274641, AW275507, AW276133, AW276141, AW188844, AW189086, AW189380, AW189483, AW189638, AW190711, AW192499, AW192553, AW194257, AW079074, AW079657, AW079713, AW302399, AW303905, AW304829, AW305056, AW305205, AW305288, AW316582, AW337642, AW338039, AW338451, AW338472, AW338558, AW341969, AW419171, AW438594, AW439241, and AW440809.
HACNG47	325	100261 0		15 - 506	AA532933, AV703833, AV709660, AV706432, AV703425, AV704342, AW973133, AW970044, BG223182, AV706028, AV707503, BE045249, BG260446, BF684001, AA631824, BF207628, BE045088, BF978346, BF245295, BF976396, BG114347, AW328224, BE258673, BF131125, AA533465, BG110283, BE778046, AW328221, BF688472, AA535584, AA661877, AA602164, BF526865, AA535631, D52835, BE748234, BF726977, BF971736, BG109315, AA559192, AA501582, BF684771, BG028729, AA664807, AA535757, AW327531, BF974870, BF569893, AA228449, AA469386, BE383660, BF685200, AW328222, BE251715, BG178559, AV721406, AA535506, BG116315, AV742662, AA631813, BG231281, BG023966, BF975073, AW328225, BF685259, BG105001, AA807632, BF727072, BG230957, AA535401, AA736706, BF975733, AA659013, BG112390, BF664112, BF527994, BG169907, BG059101, BF974497, AA661709, BE254126, BG165271, AA687550, AV708781, BG116914, BG032698, AA501393, BE960666, AV735240, AV703752, BF026103, BE396226, BF942244, BE907416, BG030437, BF975125, BF679976, AA483742, BE046072, BF968718, BF688543, BE257338, AW328282, BE727279, BG236671, BE296107, AW630024, BF025836, BF974573, AA507779, F26332, BF528014, AI753467, BF664358, BE295834, AA229437, BE207953, AA503180, BE258135, BE878328, BG059195, AA593384, BE045044, BE903589, AA492430, BG166617, AA484713, AA508229, BF675409, AI753502, AA573716, AA501963, BE259315, AA507713, F27563, AI273818, BE877868, BG116092, F32788, AA513885, AA614059, AA526031, BE252036, AA482886, AA614156, BG164601, AA810387, AA640629, BG031433, AW328283, AW340914, BG115042,

BF973734, AU133419, AA522927, F25639, BF030941, AA888491, AA737353, AA491723, AA096104, BF244516, AA508790, AA548296, AA469305, BE208672, F25185, AU118260, AA829057, AA508531, AA687525, AA531074; AV736504, F28982, AV761388, BG029639, F35976, AV743112, F19029, AA635424, F25992, BE382350, AU160614, AA492018, AA506960, BF685714, AA165501, AU154646, AU150738, AA306178, F24395, BE743495, AA467768, AA864482, F32802, AA649709, BG116308, F26739, F21269, BE300449, BE257541, N51821, AU133278, AW959346, AW772804, AU126528, AA531478, F30621, D50992, AA083966, F25341, AA228995, AI084446, AA515930, N71635, AV743996, AU159669, AU122951, AI201962, F19730, AA308810, AW440773, BE568088, AA730728, AA535464, AA177142, AW239352, AA729205, BE733033, AA729190, BF060920, BF034683, AA550931, BE795271, F35997, F19651, AA486031, AU128457, BE733180, AI815846, AA507551, AA491777, F22000, BG105347, L22154, L06499, X66699, AL132772, AK023419, X14069, AC018644, X73331, A74890, AK001254, AR050070, AX047063, AX047062, A62298, A82595, A82593, Z30183, U94592, AX009343, AX009341, AX009337, AX009335, AX009345, AX009342, AX009344, AX009340, AX009339, AX009336, AX009338, AX009334, A62300, AX040581, AX047064, T46935, T46936, T47868, T51496, H70312, N22929, N66381, N67406, N67521, W04720, W17127, W31822, W32969, W39068, W92165, W92166, AA002035, AA001831, AA070744, AA078808, AA078905, AA082125, AA083429, AA084773, AA086372, AA100254, AA112165, AA112214, AA129389, AA129850, AA129851, AA133745, AA146831, AA146832, AA158124, AA158125, AA179954, AA180307, AA181236, AA181197, AA181806, AA187266, AA187322, AA186557, AA186806, AA187043, AA188294, AA188447, AA193418, AA196830, AA215664, AA215730, AA227630, AA234723, AA234790, AA235229, AA425039, AA425348, AA430323, AA224916, AA224894, AA226410, AA226415, AA226503, AA226508, AA229236, AA229860, AA229919, AA230049, AA278708, AA469435, AA470905, AA480757, AA484610, AA482782, AA483563, AA491559, AA491609, AA491748, AA501383, AA501417, AA501459, AA501562, AA503889, AA505254, AA506134, AA506389, AA506818, AA506957, AA507826, AA507839, AA508632, AA508731, AA508860, AA512917, AA514903, AA514969, AA522928, AA523494, AA523771, AA525864, AA525964, AA526161, AA526167, AA526345, AA526365, AA526704, AA528228, AA528263, AA528392, AA528631, AA528643, AA528697, AA530957, AA532628, AA533326, AA532762, AA541621, AA551621, AA551954, AA551967, AA555011, AA555273, AA557726, AA557899, AA557909, AA558378, AA558519, AA558731, AA559271, AA559058, AA582276, AA587441, AA588225, AA593624, AA592980, AA595112, F17267, F17284, AA582276, AA614591, AA618582, AA622277, F16790, F16807, F16998, AA602440, AA613901, AA614591, AA618582, AA622277, AA628035, AA628036, AA627310, AA632812, AA636109, AA640180, AA570229, AA570606, AA573053,

AA580144, AA580218, AA577925, AA579338, AA657468, AA657578, AA657627,
AA657875, AA657919, AA658176, AA658221, AA658238, AA659175, AA659412,
AA659859, AA659884, AA662623, AA661656, AA661693, AA661931, AA661982,
AA661989, AA662413, AA662856, AA665383, AA687572, AA714090, AA714984,
AA715015, AA715065, AA715163, AA715473, AA715801, AA721778, AA729165,
AA729395, AA729640, AA729748, AA730573, AA737081, AA737081, AA736714, AA736721,
AA737752, AA738142, AA738362, AA740287, AA742793, AA742796, AA745119,
AA744421, AA745276, AA746754, AA746806, AA747201, AA805821, AA805853,
AA805859, AA807954, AA810352, AA825417, AA834229, AA834632, AA857589,
AA862247, AA862871, AA862872, AA876568, AA876579, AA878566, AA879151,
AA879166, AA879293, AA885786, AA888786, AA888238, AA888345, AA888692,
AA908287, AA917012, AA922624, AA934470, AA935326, AA953277, AA954125,
AA962051, AA962182, AA985600, AA988809, AA991973, AA994839, AA994846,
AA975665, AI000117, AI001218, AI001961, AI001961, AI004153, AI053556, AI053726, AI054025,
AI054100, AI054190, AI054390, AI073935, F17902, F18088, F18091, F18171, F18387,
F18513, F18707, F18784, F18782, F18793, F18817, F18840, F18846, F18853, F18873, F18887,
F18987, F18991, F19173, F19243, F19477, AI089715, N83918, N84296, N84754, N85208,
N85340, N85793, N86118, N86352, N86358, N87617, N87766, N87941, N88900, N89164,
N89246, N89520, C05539, R29423, AA037054, R29143, AA641045, AA641084, AA641219,
AA641684, AA642543, AA642643, AA642958, AA090353, AA090674, AA090671,
AA090961, AA090981, AA091498, AA092131, AA092978, AA093596, AA094116,
AA095717, AA648056, AA648072, AA648210, AA648223, AA648612, AA648664,
AA649266, AA649826, AA649838, AA650087, AA652013, AA652637, AA652783,
AA248218, AA248370, AA247487, F20244, F20274, F20360, F20371, F20523, F20525,
F20543, F20833, F20837, F20911, F20937, F21012, F21029, F21033, F21153, F21213, F21298,
F21346, F21356, F21372, F21432, F21468, F21512, F21522, F21593, F21600, F21614, F21640,
F21680, F21733, F21823, D12344, D11606, D11757, D11867, AA478046, AA488649,
AA495956, AA634366, AA669638, F21929, F21964, F22020, F22080, F22144, F22182,
F22237, F22361, F22387, F22438, F22578, F22577, F22591, F22638, F22643, F22674, F22791,
AA676609, AA704951, AA774488, AA781238, AA782386, AA843544, AA844039,
AA845316, AA845780, AA845998, AA852785, AA854940, AA861333, AA921366,
AA984861, AI022114, AI025273, AI027980, AI033913, AI057640, AI061386, AI074755,
AI077650, AI086633, T52679, D11590, AA700112, AA701221, AA550760, AA550892,
AA550906, AA550939, AA550949, AI141660, AI141665, AII141746, AI250129, AI251529,
AI252248, AI252254, AI252378, AI252452, AI252469, AI252727, AI252747, AI252881,
AI254262, AI271510, AI282981, AI289366, AI301913, AI302472, AI306219, AI306670,
AI307547, AI307830, AI307866, AI308260, AI308354, AI308437, AI308489, AI308527,

Name	326	1002729	1 - 821	15 - 835	Accessions
					AI308549, AI309099, AI309969, AI310636, AI310892, AI310897, AI311957, AI311974, AI312227, AI312279, AI312300, AI312302, AI312386, AI312415, AI312503, AI313010, AI313082, AI334581, AI334915, AI335485, AI335497, AI336727, AI336812, AI340437, AI340461, AI340565, AI340580, AI340648, AI340714, AI340729, AI340847, AI340872, AI340879, AI340923, AI343101, AI343823, AI344441, AI344859, AI344871, AI345192, AI345199, AI345200, AI345269, AI345429, AI348738, AI348758, AI348811, AI348831, AI348976, AI349196, AI349911, AI355158, AI345514, AI345525, AI362840, AI369740, AI370050, AI370067, AI370100, AI370103, AI371904, AI371907, AI371921, AI371927, AI371930, AI371941, AI371962, AI379361, AI379360, AI299570, AI435728, AI432263, AI417919, AI473037, AI561004, AI580547, AI580569, AI580616, AI581258, AI583485, AI224722, AI147812, AI185941, AI186937, AI193839, AI221604, AI190208, AI269407, AI336380, AI598211, AI538536, AI590250, AI609443, AI609474, AI609480, AI609874, AI609896, AI611406, AI611411, AI611496, AI611499, AI611967, AI612075, AI612096, AI612702, AI613364, AI613367, AI613394, AI620879, AI674160, AI690062, AI784490, AI798498, AI818558, AI824602, AI827294, AI829239, AI862235, AI862244, AI862248, AI863926, AI870832, AI802808, AI802850, AI814103, AI814193, AI926978, AI928414, AI928436, AI934768, AI972467, AI972886, AW006456, AI979201, AW082465, AW028066, AW071678, AW072733, AW073639, AW238271, AW271905, AW274200, AW079614, AW301745, AW301824, AW302894, AW304392, and AW440777.
HOPJX95	326	1002729	1 - 821	15 - 835	BE440007, AW328077, BF343657, BF975542, BF306557, BG248771, BF663545, BF205398, BF569420, BF204900, BF971122, BF206677, BF308210, BE270535, AV736487, BF568537, BF343072, BF686553, BF683451, BF568228, BF125523, BE740449, BF568381, BF569600, BF345070, BF205442, BF568081, BE394263, BE740096, BF026397, BE742044, BF974048, BF975645, BE388168, BE728059, BF306011, BG109404, BE727568, AV760278, BF308547, BE899445, BF967484, BE271558, BE746524, BE899041, BF306574, BE395117, BG253032, BF026067, BG104314, BF316008, BE615403, BF183072, BF568460, BE743865, BE745443, BE615771, AV764219, BE391427, BE392514, BF307825, BE741457, BF973348, BE741710, BE392943, BE389334, BE899224, AV763932, BE621019, AI133550, BF304993, BG110091, BE735916, BF972634, BF203698, BE562685, AI830010, BE407743, BF205675, BE395522, BE389095, AI929068, BF684409, BE515261, BG260397, BE408403, BG106500, AV764451, BE390398, AV703321, BE515261, BE255792, BF663217, BE744399, BG033413, BE280125, BE561332, BE384213, BE378445, AW196817, BE727789, BE562511, BE394727, AV721219, BE408686, BE907161, AI537251, BE747011, AW516055, BE886992, BE531147, BE394033, BE904077, BE379051, AW328236, BG116376, BE616858, BE906354, BE389096, BF308918, BF668533, BE313005, BF032537, BE900335, BE301975, BE395389, BE745141, BE395269, BE408535, BE313406, BE791985, BE392446, AV763326, BE746641, BE271900, AV763491, BF313406, BE393375, BE904292, AA488252, BE392297, BE315409, BE898707,

BE615682, BE730961, BF663234, BE408564, AW170187, BE744572, BE272515, BE531061, AV759830, BE744156, BE898265, BE615095, BE898833, BE901567, BG104252, BE741059, AV712671, BG105893, AW958606, BE378958, BE390753, BF726889, AA628078, BE257695, BE255051, BE378807, BE733995, BE394125, BE547388, BE744484, BF308615, AV722219, BE563694, AA191721, BF568282, BE391448, BE378133, BE742207, BE301536, BE389747, BE910504, BE378222, BE894336, BE258477, BE390780, BE259666, BE906157, BE390131, BE252988, BF204315, BE742905, BE907998, BE395265, BE877231, BE378753, BE390203, BE746063, BG110100, BE906558, BE974208, AI922228, BE378753, BE378979, BE620999, BE395945, BE964782, BE395717, BE728538, BF034105, BE746877, BE907263, BE615166, AI417100, BE409223, BE894416, BE612801, BE903081, BE903081, BE907458, BF037094, BE260767, AI672827, BE392608, BE389378, BE272370, BE906926, BE907353, BE907636, BE390221, BE562559, BE269917, BE888804, AI000225, BE879069, BE392484, BE909796, BE393768, BE744111, BE263049, BE900382, BE732178, BE392942, AI433577, AI349404, BE909539, BF037570, BE512924, M60854, AC011500, AF174394, AX046345, AF100694, D28392, AF125570, AL080096, AF118386, AL049963, AL080106, T39461, T40600, T50340, T52852, T52853, T80960, T81088, T81136, R05273, R05330, R07057, R24087, R27285, R27479, R28643, R31455, R31456, R32576, R35226, R76129, H18246, H18286, H18967, H19064, H20011, H20081, H41291, H43525, H45187, H45204, H46038, H46124, H68463, H68829, H90436, H90492, N21513, N31531, N69961, N79603, N98543, W07431, W19070, W42687, W45243, AA025256, AA025257, AA053681, AA053701, AA079081, AA081292, AA081424, AA083633, AA128636, AA128769, AA131595, AA131659, AA136372, AA147988, AA148016, AA155840, AA179953, AA181208, AA187494, AA187038, AA191372, AA194786, AA197012, AA197084, AA197199, AA233036, AA483516, AA493174, AA505299, AA508438, AA513058, AA513465, AA513694, AA523046, AA523142, AA524275, AA527611, AA528406, AA528729, AA531519, AA533546, AA534255, AA535560, AA535776, AA551554, AA554987, AA557823, AA557881, AA564163, F16162, F17113, F17276, F17454, AA583448, AA600904, AA602024, AA603098, AA603636, AA604035, AA604060, AA665440, AA689373, AA730722, AA730769, AA745094, AA846965, AA862676, AA886587, AA888702, AA916012, AA928212, AA931749, AA937509, AA961846, AA988782, AA995294, AA995746, AA948197, F18059, F18559, D78886, N83641, N85034, N85277, N86025, N86064, N89022, N89332, N89491, C17501, AA090558, AA090768, AA091238, AA092105, AA092557, C18629, AA093142, AA094380, AA095031, AA155929, AA644078, AA650542, AA651744, AA248200, AA293341, F20560, F21169, F21316, F21693, AA410242, D11523, D11939, AA442822, AA488195, AA487574, AA457164, F22094, AA722251, AA890377, AA985257, AI096915, AA550886, AI144335, AI265916, AI339402, AI471350, AI421239, AI126388, AI131296, AI185597, AI191496, AI200589, AI277461, AI280340, AI307119, AI340304, AI521468, AI683576, AI685671,

HSCLR05	327	1002807	1 - 980	15 - 994	AI700438, AI796647, AI824691, AI829972, AI865678, AI915175, AI928522, AI969992, AW026267, AW131547, AW198186, AW261952, and AW276716.
HVVAO74	328	1002811	1 - 1150	15 - 1164	AW963399, AI609934, D80029, AW102867, BE672203, AI745441, AI472112, AI041677, AW439716, BF092701, AA838613, AA962296, AA828728, R98102, AA834893, H54015, N50938, AA043772, R83194, AI221967, H68772, AA372063, AW900696, R98103, W93231, AI183613, AA371856, AA861294, Z21092, AA431494, AA043771, H54171, BE878252, BE765324, BF683734, BE766646, AA424498, BF092669, and AK000435. AL517746, BE314392, BF685767, AL517745, BF663864, AL527798, BE901139, AL526086, BE732253, BE730581, BE273465, BG033928, BE274994, BE793389, BE735117, BE736161, BE274909, BF025763, BE797068, BF793676, BE795151, BE276067, BE799798, BF568859, BF797444, BG031038, BE901143, BG027437, BE898049, BE733741, BE731033, BE797663, BE730448, BE904242, BG180030, BF058792, BG036034, BF025707, BE410862, BE618538, BE547475, BE728447, BF568805, BE281217, BE270552, BE791501, BF032884, BF983027, BF679076, BE389168, BE880439, BE409460, BF528780, BE795806, BE275489, BF685111, BE275834, BE880404, BF662872, BF305445, BF027645, BF306589, BG032276, BG025207, BF686113, AW960462, BF568562, BE262720, BE883448, BE785807, BG249555, BF791670, BF686641, BG030409, BE276910, BE259215, BE382696, BF037141, BE794633, BE276938, BE266608, BE389026, BG034257, BE732487, BE276779, BE790192, BE268263, BE909056, BE729122, BE728799, BF128006, BE872841, BG031367, BE900561, BE268310, BE410738, BF854010, BE388364, BF568658, BE018670, BE514363, BF237574, BE886108, BE387313, BF308798, BE267700, BE389685, BE385517, BE389304, BE296678, BG116916, BE618919, BE909775, BE267922, BG231768, BF573426, AA075347, AW954753, AW249908, BE279555, AW247787, BE387389, BE311424, AW674345, AI924518, BE881839, BF854355, BF854139, AA099137, AU150900, BF858145, AW085546, BF858158, AA810641, AI094712, AI983831, BE208512, BE537365, AW848677, BE543319, BG111959, AA121335, AA776475, AW162889, AA768161, AI985750, AA075600, BF127877, BF858133, AW104662, AI587554, AA832303, AW974204, AA827218, AW072974, AW732057, AA782428, AI818506, AI923790, AW073752, AW262769, BF925345, AI094923, AI683905, AW512935, AI289229, AW305043, BE042722, AI276197, AA806259, AW512367, AI493600, AA569388, AI346741, AW475015, AA946821, BF515131, BE798771, AI432816, AI263880, AW302618, BF063047, AI744754, BE939146, AW439553, AA629031, AA009635, AW007234, BE350557, AW674453, BE336843, AI538381, AU149699, AI274098, AW966999, AI440437, AI799716, AI127260, AI799164, BF303754, AA554181, AA554976, AA253120, AA761082, AW089894, AA554583, AI344421, BF962198, AI749787, AW193957, AA707869, AA903212, AI311788, BE538355, AW246180, AA826402, AA631886, AA280597, AA206821, AI300392, AW163603, AA995293, AI245900, AW769752, AI749149, AA847378, AA253380, AA281999, AW575857, AI357033, AA653882, AA679720, AI936832, AA679732, AA992132, AI245858,

BF217536, AA737504, AA603759, BF115553, AI619611, AA626225, AII97811, AA121655, AI290548, AA845852, AI754469, BE621648, AI916320, BG150679, M20472, X04851, M20471, AL158830, X04849, U91848, M15882, M19260, M19261, X81636, S83456, AF061943, M27260, AF130357, E16086, E00984, I04527, AL117432, AK025099, AF126247, AF130110, AL133558, AL389957, AF262032, AR081734, X72889, AX017991, AL080074, E12747, AF082526, AK025378, AF126372, X59812, AR015970, AK025414, AF119894, AF114170, AL162001, AL050172, AF103804, AR050959, AF254119, AJ005870, AK027260, AF235993, AF118094, AF161413, M84133, AF119878, AF222801, AL080139, AK025356, X69026, AC006112, S71381, AL110196, AK026885, AF155827, X93328, X06146, AB044560, AF116698, AL050143, AK027114, AR068753, AR083283, AL137465, AL133565, AF267991, S66283, Z82022, AF110640, AI238617, AC006313, AK000718, AF130104, X63410, AL122104, AF143723, E12580, AL133557, A21625, E02221, AK026857, AL135933, A08907, A21103, AL358532, AF132205, AK025339, AL133081, AF167995, S56212, S63521, Y16645, AK026624, I33391, AF093542, AF247674, AF043493, AL133113, AF002672, AF116631, AR022283, T40395, T41243, T64540, T90321, T90411, R00565, R00670, R25339, R26533, R33582, R33686, H18970, H19067, H27745, H27798, H45132, H45435, R83238, R84577, H50536, H67162, H69463, H69869, H81467, H90414, H90467, N24604, N26124, N33744, N53776, N73137, N92823, N98429, W25003, AA009909, AA062687, AA070954, AA070955, AA099193, AA100434, AA113872, AA114226, AA121498, AA129568, AA129567, AA136241, AA148896, AA148897, AA193236, AA232687, AA234536, AA236641, AA463722, AA418595, AA418657, AA492418, AA533820, AA573459, AA574409, AA764840, AA769718, AA811497, AA862908, AA911762, AA934849, AA953169, AI050856, AI080458, C02263, AA219496, AA219497, AA291388, AA291576, AA411500, AA410973, AA421641, AA470065, AA478445, AA634362, AA668474, AA776897, AA853774, AA788900, AA860579, T65963, AA700755, AI270054, AI273071, AI281938, AI308051, AI342033, AI361173, AI361176, AI362443, AI424716, AI499991, AI422672, AI569849, AI423030, AI131510, AI143024, AI651756, AI206072, AI250769, AI590911, AI332622, AI521752, AI682704, AI688438, AI799841, AI866009, AI874132, AI915718, AI917163, AI971079, AW006773, AI989886, AW088989, AW130336, AW149242, AW196263, AW183129, AW272134, and AW338687.				
BE562883, BE733460, BE731242, BE616471, BF184098, BE614999, BF124993, AW161042, BE732247, AI720002, BE735398, AW963989, AW007333, BF529351, BE614720, BE909977, BG168999, AW001354, BF105923, BG034355, AW163527, BF439955, BF982101, BF698001, BE885275, AW474669, AV763438, AW945186, AW055293, AI608832, AA577204, AW130759, BE885816, BE350922, AA280097, AW517232, AA404292, BE395053, BE273672, AW007233, AA569806, AW769131, BE281579, AI827062, AI127609, AA176848, BE378887, BF341546, AA780006, AI335990, AII41330, AII49137, AA847806, AI031744,	329	100312 6	1 - 1033	15 - 1047
HVVBI81				

HVVBK18	330	1003155	1 - 1070	15 - 1084	AI143796, AI160701, AA778845, AA843266, AA099004, AF062723, AA614470, BE076042, AI445696, AI565519, AA468770, AA782115, AI497582, AA552408, AI494523, AA401294, AI375783, AA594315, AA761018, AI082026, AA587002, AI224958, AI858962, AI189578, BF683682, AA699708, BF898334, BF209374, AA568121, AA495906, AA099073, AA159987, BE562957, AA877377, AW945187, AA922449, AA315409, W37385, AA410418, BF439308, AA632840, W81269, W32492, BE075625, AI338833, N55541, AI983955, N36577, W81233, AA495905, H63552, AA714174, R99250, AA844586, AII159852, AI096873, AW579429, AA232999, AA887055, AI262372, N51896, T54995, AI929281, AI368588, BF351353, F36789, N78711, D30894, N62719, AA025552, AA155970, AA773222, AA233045, W37491, H60049, AI143368, AI673563, AA857035, F35505, H63597, AI738830, CI8334, AI247757, H67322, AI68458, AW405726, AA406300, AI378872, F32766, T57268, AA232955, R99052, AA470421, H68531, AA155680, BG028421, AA128876, R08423, BF351216, AA457131, AA159986, AI557608, W07730, BF331418, N76927, AA464479, AI867132, AW794300, F22032, BE075384, AW607025, R29484, AI869219, AI381765, AA426395, AI572269, AA688221, BG170967, BG112178, T55161, BE828599, AA025653, AA232947, AA642504, T56637, AW372146, AA340140, T29667, N78443, AW749083, AW885264, AI929356, AW885263, H57775, AA716675, AI022863, R29328, AA411375, AW510785, N73182, BE940670, H57774, W02158, H81432, AI200370, AW969655, AW979030, AI309803, AW979046, D26308, D32143, AC010271, L35045, and AA457132.
					BF305151, BE735037, BE747506, AU142350, AW007738, BF969509, BF237675, BE536135, BE887112, AV762678, AI189162, BF304178, BF685859, BE904945, BE910235, AI831230, BF796121, AU129499, BG028749, AU129917, BE253409, BE383400, BE786396, BF038236, AU126872, BF211966, AW151710, BF794652, AI025755, BE791012, BF308698, BF573136, AI828932, BE791105, AW131497, BE350874, AI680282, BF345258, BF215074, AI581180, AW778828, BE567149, BF103688, AA706900, AA583905, AII185849, BF184091, AU123046, BG113431, BF382100, AW664218, AA737763, AI338605, AI672800, H97858, AA479594, AA482100, BF242491, BF107188, BF215495, AI262005, BE865968, AU127161, AA443583, AA480133, AA393815, AV662236, AI002710, AA722765, BE536238, AI831666, AA477032, AU151980, AA878562, AII142353, AI689584, AW276192, AI567125, AI015877, AA862947, AI580858, AW993389, AA284572, AA862518, N35547, BF928258, AA492405, AA284877, AA152127, AA131821, AA476920, AI833193, N28814, AA243320, AI243915, AI304511, AA293499, AI342052, AA132004, AA293112, AII140958, AA443648, T56244, AI281588, AA453009, AI863847, N53065, AII186249, AI312511, AA761708, AA865831, AI272898, AA131997, N44572, AI206382, AI220411, AA490063, N23342, AA962083, AA150044, BG059293, AI591408, AA534684, AA630630, AI935160, N99371, BF573103, AA477433, AA669307, AA393918, N26856, AA865189, BF941869, BF673621, AA099578, AU149842, AA774040, AV721930, AI912358, W39527, BE247542, AV741784, AI766710, AV755538,

					AI025557, H96778, AA150121, AI028641, AI832740, BF306716, W15414, BG257198, AA398206, AU149647, BF765307, AA878090, AA916218, AA826985, BF131025, H79091, AW026984, AV735966, N71988, AA833515, AI127245, AV760892, AU119782, AW379902, BG006074, AA772963, AA669323, AA399096, AI147346, BE245986, AW627799, R06791, R34078, AA737015, BF841463, BF326591, AV715148, AA470620, AA263115, AI902675, AW439196, H96331, AA664933, AA730617, AA199928, BG113662, H26509, R34077, BE908471, T56387, AA375860, AW262878, AI301668, H47214, AA489908, BE696171, T98663, H47117, AA150029, BF341798, AA582630, AA365888, AW951549, AA354108, AA304828, BF355610, T98719, AI351714, T46947, AA353826, AA649575, AI186428, AA385345, AA558021, BF819254, AA243319, BF934697, AI066528, T46948, BE971394, BE535580, AW197923, AI673807, AA502983, R24695, BF667213, BF696052, AU076967, H37829, AW362129, BF664847, BF772902, AW903447, BE938645, AW903384, AA199858, AW882107, BE835971, AA091551, AA131831, AI022011, H37883, D26599, D21799, AF060090, AL354864, and AL157951.
HOFMS19	331	1003222	1 - 420	15 - 434	AW629632, BE906747, AW238814, BF244456, BG035566, BE896159, AL523247, AL526987, AW161580, BF034231, BG110736, AL525505, AA594515, BE350096, N74741, H91423, N35197, Z72000, D83745, D64110, AP000432, AF087037, and AP001670.
HSCLM55	332	1003224	1 - 1080	15 - 1094	BF036860, BE874607, BE613153, BF131283, AW024416, BE218012, AW662566, BG033319, BG178742, BE677139, BF038607, AW992000, BE697884, AI421202, AI434791, BE857176, BE858592, AW960360, AI309982, BF752463, BG122649, AW572665, BE697883, AI769534, BF432791, AW473625, AI393963, AI378930, AI492647, AI769524, AA953114, AI380180, AI420285, BE884521, BE697886, AI805717, BE697879, AI077552, N26060, AI678958, BE205797, AW627557, N40424, BE790024, BF110838, AI190662, AI613423, AA976041, AA581509, AA776498, AI268866, AI291641, AI289100, AI208759, BG113949, AW466940, AA278467, BG121150, AA665834, AI341899, BF940423, AA315414, BF752452, BF823045, BE765726, AI671697, AI961637, AI613432, AA989174, BE813958, BE765666, AA235080, BF438697, BG171186, AV739357, AW802718, AI127470, AA603717, R80986, AI085843, AA235209, AA993834, N80556, AI160297, AA421270, AW863774, AA187209, AI205566, W39334, AW277106, H59979, AA045407, BF752395, T75129, H09069, W52459, AA503424, AW971006, F10405, BE005409, AA421317, W52458, AA723427, AW189559, AA045301, H09070, AA256210, AA503121, BE826023, AA921301, AI819232, BE831073, BE831048, AW956475, AA303086, H23150, H81373, BE831070, H23151, AW593442, BG166357, W15379, AI003129, H57853, H80453, AA587453, F12797, BE831071, AA811971, BE091742, AA379841, R80786, AA737085, AW029021, BF752382, R38552, BF354290, BE150019, T48991, BE831072, BF195285, AA503131, AA256353, F17470, AI424220, BF965507, BE929386, AI431521, AL038996, T48990, BE932245, AI381715, AI424511, AI569722, AA835425, AV757066, AW997044, BE143663, AW337583, BE065144, AA558437,

					AW269615, D20475, AW016289, AI795986, AW996815, AW603108, BF334971, BF334967, BE784335, BE897879, AV721229, AW881505, BE699148, W07679, AL050215, AF151801, AC004983, D89937, and AX026138.
HETJU23	333	100370 6	1 - 2214	15 - 2228	AU125582, BF338909, AV721101, AW960032, AU149216, AI479301, AA551070, AI765789, AI888129, BF689666, AW300579, AI561067, AI952933, AA699496, BF851750, AW631269, BF223599, AA977132, AW003323, AA227895, BF056547, BF056388, BF851745, AW628961, BF851053, AI499649, AA227595, AA557146, AA005279, BF999437, AI124737, W88953, BE139597, AI866470, BF690562, AW392978, BF849227, BF999431, AA524236, AA992176, AI817652, AI933331, AA005195, BF999425, AI381813, BE221278, F36543, AW087421, AW167326, F30327, BF850865, AA953702, AI242910, AA367411, AI363751, BF834497, BE048256, BE708177, AW379838, Z42044, AI351935, F01568, BG055860, AI691123, BF772332, AI783542, AI131405, W05190, AV702728, AX040389, AX040390, AK022692, AB033104, AL133630, AX040393, and AF200815.
HNOKB73	334	100448 0	1 - 1202	15 - 1216	BF672055, AI828433, AU145153, AI909113, AI831421, AW471345, AI909126, AI922310, AW511425, AW151865, AA861631, AA093238, AI909131, AI688870, AI922300, AI310077, AI620982, AI272867, AW628057, AW057746, AI623341, AW117681, AI267991, AI818511, AA487193, AA291847, AI222864, AW190743, AI914551, AI692825, AW189277, AW304917, AW055334, AI278911, AA661670, AI969389, AI909123, AA894780, BE049422, AI453695, AA911888, AI571659, AI862021, AI621161, AW627585, AI569192, AI624941, AI571426, AA194152, N67602, AA688382, BF857139, AA486838, AA291725, AW263429, AI653841, AW020368, AI453306, AW090321, N64130, AI279927, AI249255, AI926018, BF884826, AW390274, AW294466, AW361842, AI696774, AI275762, N45716, AW089415, AI262331, AI811607, BE939116, BF750734, AW608182, AI624961, BE939114, AA367257, AI687265, AI698996, AA297958, BE937479, AI701193, BF744029, BF858828, R82992, AI909128, AW167711, AW198062, N48994, AI866006, BF882878, BE940672, AW816180, BE818295, AI909134, AA194103, AC018634, AF026692, AF117709, AF140346, and AF012891.
HODFB06	335	100458 3	1 - 748	15 - 762	H99646.
HODJA76	336	100461 9	1 - 447	15 - 461	AW977567, AA907333, AA814897, AA836609, AC002565, AC005480, AL356299, AC005520, AP000066, AC073593, AC005736, AC002394, AF196969, and AL121890.
HODJY60	337	100462 5	1 - 2212	15 - 2226	AL515853, AU133237, AI654122, AU126018, BF058308, AV725133, AW183152, BE671606, BG253097, AI948488, AI950097, AI927294, AW969418, AW275334, AI076608, BF940262, BE535180, AI417857, AI952810, BF959274, AI417041, AI420844, AI379187, AA723579, AA913702, AW394103, AW949335, AA393920, BF979295, AI093193, AI313185, AU129447, BE253357, AI017439, AA313310, AI590307, BE890745, AI346472, AA962778, AI276140, AI985266, AI336030, N98729, W96013, AI299081, AI092621, AA233883, AA232829,

HODEF10	338	100462 7	1 - 593	15 - 607	AA781239, AA622011, AW072156, AA393816, W94867, AA609830, W31110, AU116848, BF819291, AI082414, AA314016, N51280, N56619, AW291732, AA776847, AA455083, AA493714, AW394076, AI468453, AV695898, BE168785, N36233, AA731537, AI870707, T86928, AA235859, AV647197, AW752864, AI640207, AA429798, BE865766, AI640206, AI082534, H98542, AI569628, AA027841, AI569818, N99968, R92374, AI205830, AW851013, AI739354, AI245327, AA480260, AI274055, AA732762, AI002565, AA865045, BF212369, AI351016, AW086045, R79060, AI701728, N29663, T10195, H13610, AA027906, AA858240, AA385768, AA146905, R78751, R42309, AI473130, AI470964, AI914661, T67643, AW379568, R79439, R79440, H60159, R16364, AI572204, T81369, T81368, T79138, H98568, R34819, AI868283, T87007, T10194, R34708, T81696, BF376256, T78651, AA558922, C21521, BF358554, BF358559, AW995536, T81484, BF803137, BF358570, BF527611, AA916657, AW365960, AW387409, AW365962, AU077288, AW191737, AW805831, AW496790, H13241, AI291610, AI686163, AA911580, D31095, AA226320, AI302576, BF588761, D31161, D31474, AA662158, F27660, AI091013, AA406478, AI866679, AI357567, AU143828, AU154607, AU151560, D31031, AI122554, AA452028, AW874359, AW975085, AW473972, AW169600, F36093, F37355, AL515852, D20919, AW439053, D31309, AI360390, AI475944, AW468490, AU149562, AU156455, BF352364, BE702458, AW394081, BF821859, AA905362, BE220171, BF756901, AW496791, BF326825, R92373, BE327258, AI273552, AX014920, L28997, AK001489, X76920, U12402, AL133620, AA253087, AI279963, AI640198, and AI767022.
					BF799949, AV719557, AW973490, AW973474, AW978634, AW949656, AW973474, AW966059, AW959597, D80188, AW975613, AW959136, AW973482, AV699447, AW966029, D59859, AV720533, AV718489, C14389, AW956397, AV720616, AW973307, AV722801, D59927, AW975618, AW949642, AV718707, D58283, AW959202, D81030, D51799, AV720211, D80253, AW959799, AW966053, AW966531, AW978661, AW966386, AW960553, D80166, D80043, AW962082, AW959570, D51423, D59619, D80210, AW966075, D80240, AW973330, AW966065, AV719822, D80212, AV718692, AW958993, AV699550, AW949629, AV719324, AV718938, AW960465, AV718633, AW975605, AW966399, AW973488, AV718931, D80391, AV720878, AV720731, D59787, AV723927, AV699866, AW964488, AW959628, AW973334, AW966534, D50979, AW966022, AV723097, D80227, AW966013, AW960473, AW965177, D80022, AW966041, C14331, D80219, D80195, AW958992, AW973445, AW975621, AW978648, AW949631, AW949643, D80196, AW949618, D59467, AW965175, AW965163, D80164, D59275, AW973541, AW966030, AV720791, D80366, AW966054, AV720028, D59502, D57483, AV719468, AW966050, AV719188, AW966062, AV718440, AV719783, AV720028, AW973485, AW965184, AV962395, AV718800, AW965185, AW965197, AW965196, AW973485, AW965184, AW965184, AV962395, AV718844, AV720464, AV718770, AV724520, AW959062, AW964477, AW956434, AW964641, AW956434, AW964468,

				AW949654, AW964532, AV699927, D59610, D59889, AA514188, D81026, AA305409, D80248, AW960532, D80024, AW973447, D80269, AW960454, AW966331, AW959582, AV721386, AA305578, C15076, AW949653, AW949645, AW949657, AW949655, AW966398, D80522, D80045, D80038, C14014, AW966043, D51022, AW949630, D50995, D80193, D80251, AW964737, AV720151, AW962245, AW973473, AW949632, AW966369, AV700889, AW959469, D80378, AW965158, AW949646, AW949633, AW949658, AA514186, D80241, D51060, AV701839, AW360811, AW966023, D80133, AW966397, AW965176, AW752082, AV720812, AW753053, AW177440, AW966378, AW966368, D80268, AW975623, AW966333, C14429, AV720150, AW178893, AW960504, AW960564, AW966330, AW966385, AW966400, AW966388, AW966329, AW966332, AW966380, AV700229, AW373405, AV701004, AV699746, AV718530, AW973465, C75259, T03269, AV699682, AW960570, D80247, AV720035, AV719628, AW179328, AW360844, AW966389, AW366296, AW377671, AW966377, AW360817, AW375406, AV720654, AV699652, D80439, AW378534, AW179332, AW377672, AW179023, AW178905, AV718681, AV744690, AV742001, AV742667, AW753067, C05695, AV701125, AV701335, D80302, AV701166, AF053356, AR008278, AX033851, AX047063, AX047064, A62298, AR018138, AX027925, AB028859, AJ132110, A84916, A62300, AR070327, AF058696, AR087649, AX021518, X67155, Y17188, D26022, Y12724, AX035434, A25909, AX028130, AX020191, A67220, D89785, A78862, D34614, AJ302649, AX020190, A82595, AX047062, A94995, D88547, AB002449, AR060385, AR016808, AR008443, X82626, I50126, I50132, I50128, I50133, AR092424, AR025207, AR066488, AR016514, AR060138, A45456, A26615, AR052274, AI294956, AR074139, Y09669, A43192, A43190, AR038669, AR066490, AR066487, AR074136, A30438, I18367, AF260572, AR054175, I14842, D50010, Y17187, AR074545, AB012117, AR008277, AR008281, A63261, AX015396, AR008408, AR091537, X68127, AR062872, A70867, AR093385, AR016691, AR016690, U46128, AJ287395, A85396, AR074141, D88507, AR066482, A44171, AR088705, AX042372, A85477, D13509, I19525, A64136, A68321, A86792, AR060133, I79511, X93549, U79457, AF123263, AR071754, AR032065, X72378, and AR008382.
HODFB03	339	100463 1	1 - 775	15 - 789	BG034836, T75233, BF572603, AI557036, BE697488, AL513776, AI216670, BF747008, T10253, BF745947, R61073, BE843957, BF746454, BE769157, BE766105, BE714429, BF744295, BE765690, BE766038, BE766098, BE766167, BE714404, F12922, BF745931, AA434502, AA465014, T05292, X74331, AJ011607, D17385, D13545, and AL121958.
HPMLN08	340	100463 2	1 - 1380	15 - 1394	BE709782, BE832694, BE709778, BE707630, AA430593, H80277, H80291, AI652995, BF383125, AA193566, AU158293, BF747189, BG260723, AA243826, BE491960, AW063724, BE222441, BE502344, AA164268, BF196258, BG170263, BE932825, AA508073, AW294783, AU155794, AI819266, BE169617, AI468739, AI082255, AI417116, AA385339, AI382168, AI701563, AI031661, AI436306, AW576939, AV715887, AI709346, AW195764, AW044458,

					BF002627, AI802164, AW340159, AA479123, AI224847, AK023738, AK023448, and AF113697.
HODEH08	341	1004633	1 - 364	15 - 378	W44489, BF344927, BE385927, BF683537, AW406647, BF214121, BF671254, AW248978, BF675993, BF791283, AI083656, BE783427, AA340719, BF038972, AL523352, AV697332, BE791818, D31255, AU127744, AA370162, AA488592, BF027044, AL523351, BE513340, BE270073, BF446423, BE397826, N27234, AI582770, BF095260, AA410725, AI817900, AW799742, H29999, AA331358, BF675835, AI580242, AA358813, AA370640, T97410, R07253, BF210442, AW248314, N33990, N25001, W56853, N33751, AA360045, AA371439, N28848, AA344067, BE813738, BF680023, N27913, AK001410, AL136131, AF114816, AF114817, Z59378, Z64078, Z64079, and Z54696.
HEGBF25	342	1004635	1 - 1333	15 - 1347.	AW960487, AW170566, AA463471, AI590283, AI479619, AI356285, BE671701, AA443030, AI279424, AI475890, BF948785, AW105033, BE646579, AW469714, AA282026, AI870381, AI692574, AI357242, AW135396, AI306543, BF929181, BE856482, H24386, AA055932, AI125211, R60550, AI934615, AI979010, AA902204, AA557305, AI860938, AI566567, AI420407, D31141, H24399, AW136075, AA913241, AA055381, AI251746, AI249885, AA722942, AA328301, AW204848, AA748866, AA324275, AI698815, AA524094, AA729225, AW206983, AL041606, AA902634, BF091853, BF086880, AW137312, AL041448, AA865160, AJ009770, and AF069736.
HODIB51	343	1004643	1 - 441	15 - 455	AV761433, BE328286, AV658560, AA468371, H52948, AA297662, AA419014, AA419107, BE545345, AA904211, AA313075, BF927768, AI268019, AA194858, BG057757, AI344962, AA644571, T74524, BG169404, AA468505, AI801563, AV754716, AI887235, AV720672, AL096791, AC008745, AL022238, AC009477, AC003982, AC008989, AC002477, AC006064, AP000511, AP000167, AC008623, AC020908, AF165926, AL138807, AL157877, AC006026, AL121890, AL109627, AL109963, AC020552, AF254983, AL354720, AL031662, AC005822, AC011497, Z97985, AL049834, AL136170, AC005399, AL157838, AC005102, AC008753, AL159997, AC002350, AC005829, AL136000, AC004166, AL163201, AP001719, AC004685, AF168787, AL031281, AL031282, AC008764, AL022163, AL133448, AL022316, AL135744, AC010328, AC022150, AC006088, AL160231, AL078461, AC008569, AC006538, AC008372, AL049643, AF111167, AL138752, AC006312, AC005914, AL162430, AL109825, AP001660, AP001711, AC005529, AL136418, AC004821, AC010636, AC002511, AC019227, AL109806, AC011442, AF196779, AC004125, AL121748, AL031121, AL050335, AP001727, AC020754, AL050307, AC009314, AL137783, AL121748, AC018720, AC004840, AL163249, AC006329, AC005052, AC011895, AC005412, AL008718, AL009051, AC006001, AC005089, AC009470, AC011477, AC005726, AC008784, AL034379, AL133246, AC004033, AC021999, AL109804, AC022407, AC004983, AP000512, AL031291, AC006101, AL022476, AB023048, AL117258, AC007193, AC007383, AL157776, AC010363, AC008521, AC007021, AF190464, AL138832, AC016543, AP001748, L44140, AL139100, AC004890, AL355094, AC004895, AC002302, AL117694,

					AL138759, AP001753, AL163279, AC004813, AL136137, AL096800, AC005670, Z82244, AC011500, AL024498, Z98941, AC010463, AC024561, AL031295, AC005702, AC008760, AL121897, AC006349, AC009086, AP000557, AP001717, AC007957, AC008752, AL354864, AC008736, AF205588, AC068799, AP001731, AC010422, AC011455, AC008551, AL034420, AF243527, AC005231, AC007954, AC020603, AC008267, AL034380, AL049694, AL033527, AC025588, AL109801, AC004491, AL118505, AL049776, AP001720, AC004867, AP001747, AC010150, AC006211, AC004893, AC008154, AL022396, AC000052, AC004019, AC002992, AL121845, AL035420, AF215937, AL049795, AC006050, AC006455, AL358777, AC005098, AC005005, U85195, AL136087, AL031667, AC005244, Z83851, AL359846, AC005056, AL049766, and AC008264.
344	HODEC38	1004648	1 - 2163	15 - 2177	AA461384, AI638162, AW974192, AW157286, AA702534, AJ003425, AW161799, AA701970, BE258604, AW162461, AI692285, AW265397, BF110566, AW163084, BE504104, AII26148, AA158404, BF110968, AJ003426, BF436206, T78960, AA573177, AI934177, AW163340, AW161342, AA158501, AW160450, AA476353, AL527124, AL523845, AW385571, BE620912, BF347756, AL524949, BF965010, BF835996, BE620514, BE392373, AU127111, BE925487, AI207818, AP001818, AP001759, AP001469, AK026578, AB005543, AB011144, AJ010089, and AK001370.
345	HODIQ24	1004660	1 - 3410	15 - 3424	AU132377, AU132354, AU137607, AU120802, AV725504, AV727393, AI907846, BF431871, AI971541, AW956982, BE542598, BF977694, BF218040, BF194954, BF572088, AU152685, BE468132, AW274295, BF326712, AV728832, AI290910, BF696191, AI458284, AA918601, BF132210, AI299489, AI306415, AA947581, AA042992, W35163, AA779334, AW470321, AW028573, AI625411, AA255546, AA451702, N40098, AA115015, BF431827, AI248585, N24288, BF087866, AW138804, H84453, AA885588, AI637730, AW970127, N32948, BE464747, AI631137, AI638290, AI637904, AW470388, R52158, R85459, AV704648, AW295739, BE719830, AA514606, BE714126, BE813424, T71262, AA708740, AU156698, H50037, AI085037, AA256661, AI587226, BF821343, AW169353, R23147, AA115014, AU151591, AI701772, AA493555, H98720, BF845314, D81437, AA946917, AW168776, D80972, AA368643, N27158, AW805841, AI922080, AA931683, AA977047, W20387, AW130610, AA247897, BE827896, AA962286, AI217571, AI702845, AA975966, AW002803, H49993, AI002410, BE964392, AA042824, AA902321, H84454, AI918223, BE813423, AB037840, AK001495, AX034574, AK001892, AX009324, AX009323, AX009319, AX009322, AX009321, AX009326, AX009318, AX009317, AX009325, AX009320, AX009316, A91748, AI656001, and AI656713.
346	HVVDD56	1004887	1 - 2637	15 - 2651	BG120635, AA643174, AI621233, AW978320, AI309847, BF594198, BF208601, AW080955, BG249103, BG249038, AU154737, AI912367, AI969341, BE813560, AA083478, BF093613, AI249906, AA720586, AA808246, AI375180, BF131476, AA702882, AI356456, AI082207, AW951861, AW026304, AI378093, BF922917, AI275444, AA534350, AI074286,

BF922910, AA741516, BF922737, AI358824, BF923974, AA835818, AI783503, BF932407,
AA081225, AA878007, AI460017, BF893062, AW512476, AA081015, BF219017, AA083407,
AW368316, AI500442, BF246033, AA835773, BF915035, BF915580, AI276347, AW407653,
BF925410, AA419365, BE241544, BE161953, AA337666, BF928601, AW129623, BG055702,
BF090409, BF830828, AI582973, AI365477, AW366607, BF893072, AW087698, BF903219,
BG232016, N48936, AI570753, AW503900, AW366619, BG164410, R38471, C01739,
AA174205, AA853454, AA321271, BF922740, BF922027, AW889835, BE183218,
AW379451, AA828130, BF912841, AW376409, AA779403, AW384474, AA744460,
AA501600, BF086746, AI561335, BG170754, AA743972, AW514093, AA626678, C15321,
AA338431, AW236342, AA361344, AA515224, AA639955, AI184354, AW834178,
AW440976, BE552156, BF825081, BF899983, AA525406, BE933711, BF897810, BF926380,
AV712559, BF817829, AI291124, BG236735, BF832548, AW467340, AI348611, AW815249,
BG006891, AI291268, BE934672, H03415, BE872393, AW664295, AI537030, AW630298,
BE934614, BF897863, BF089507, BE933186, BE299652, AW467362, BE042475, AW802251,
AV681599, H87153, AU147979, AI032046, BE617809, AW238278, AI832577, BE934616,
AI937850, BF856711, BF857231, AI471464, BE677379, AI471487, AW849378, AW849380,
AL360190, X82200, AL360134, AB039902, AB039903, AL031311, AC005486, AE000658,
AP002022, AC008536, AL163281, AL158823, AC007363, AL138707, Z97183, AL163267,
AL135902, AC023347, AC009509, AF130342, AL577713, AC005538, AL031589, AC004887,
AC007239, AC006349, AC007685, Z99128, AC004896, AC007387, AL354868, AC007556,
AL163206, AP001712, AP001730, AC005291, Z95113, AL096821, Z98200, AP001680,
U82671, AC022274, AC009024, AC019100, AC006998, AC005544, AL442167, AC012150,
AL163285, AC006329, AC025435, AC020898, AP000500, AF064866, AF015262, AC006961,
AC006544, AJ229043, AL031347, AL163283, AL163656, AC008126, AP001728, AL133325, AC008812,
AC003009, AC016602, AP001719, AL031733, AL031656, AL139343, AC005730, AL163246,
AC005972, AL355178, AC004466, AP001693, AL109799, AC006203, AF205588, AL035610,
AC037193, AC004920, AP000356, AL031255, AC000387, AL034405, AC005799, AL008729,
AL035451, AP001685, AP001721, AC005030, AC008727, AC005529, AC008042, AC026199,
AL136981, AL121777, AL133448, AC006211, AC002123, AC066583, AC005284, AJ229042,
AL139350, AC083870, AC005410, AP001729, AC002426, AL034422, AC022201, AC007395,
AC007620, AC025593, AP000432, AL109624, AC034242, AC024947, AC005874, AF134471,
AL021391, AC004890, AC009039, AL117377, AL132639, Z93020, AC005229, AC002464, AL354829,
AC006337, AP000966, AC007405, AL110505, AC006111, AP000014, AC006238, AC035150, AL132659,
AC003684, AC006213, AL121058, AL034549, AL121656, AL352977, AL096870, AC009948,
AP001670, AL121890, AC021058, AC008474, AC007739, AL162151, AL109823, AL049636, AL121574,
AC009492, AC005157, AC008474, AC007739, AL162151, AL109823, AL049636, AL121574,
and H60225.

| HTHDV01 | 347 | 1004950 | 1 - 2166 | 15 - 2180 | BF343723, AI971257, AI922196, AI810067, AA932024, AW195330, AI207838, AV722680, AI346751, AV758001, AW608044, AV713548, AW073373, AW009706, AI590359, AV717241, AV714666, AV687702, AI891081, AI672451, AV649298, AV722097, AI381534, AV652022, BE220350, BE048347, AI573282, AW874080, AW024264, BF337994, AW874253, AI870222, AV760953, AI685727, AI627992, AW360985, AW607239, AI784604, AI950829, AV652082, AI925643, AI962991, AV722223, BF855049, BE046054, BF691186, AV717072, AV720361, AI885957, AI017462, AW664593, BF526890, AI925005, AA843677, AV693121, AI634947, AW770406, AI697419, AA477579, AW316704, AI248184, AA442759, AV713149, AI801820, AI982678, AI972075, AW662094, AW513222, BF854957, BE840522, AI701954, AV697674, AW276098, AA401957, AI460284, AA932526, AI570388, AI453821, AA662536, AI800205, BF853617, AA922678, AV759269, AI005625, AW510478, AA576407, AV747778, BF853756, AI469437, AI261318, AI799500, AA878863, AI889320, AA947992, AI624670, BE840523, BF854954, AI985773, AA746085, AW022137, AA583463, AA514238, AW750674, BF854908, AI610837, AI623966, BF901154, AA566089, AA507952, AA428304, AW805573, AW794742, AA429721, AW768483, AW518282, AI272071, AW845414, AW873164, BF063059, AI537788, AW024169, AA485546, AI373585, AA745909, AW960245, BF853826, BF854206, AA996237, AA837997, AI268596, AI074096, AA496403, BF678821, BF854956, AW794752, AI557549, N67917, AI659705, AA284642, AA887178, AA280404, BG222536, AA985597, AA496353, BF914755, AI268601, AV758482, BF055969, AI954543, AI278945, AV717009, AI356974, AA505878, AW996924, BF477592, BF724668, AW243755, AA620979, AV755843, AV757256, AW022260, AW022208, BF854906, AW877772, AV656426, AW020000, AV654223, AW372625, AI348684, AV742513, AV756665, AA617991, BE940601, AI630329, AI537593, BF828311, BF913462, H30122, AA777812, AA844283, BF914742, AI244382, AA290764, BE041558, BF829019, BF829005, N66497, AA864382, AA757380, BE813852, N23726, BF880804, AI857753, AI479529, D57403, D57829, N68137, AA631437, AA351062, AV734554, BE697034, BF378599, AA937471, N36944, D57395, BF093861, AI557550, AA975329, AA249247, AL134796, H63166, AV658281, AV656501, AW118330, H27631, R79476, D58166, W95944, AW805669, AW021936, AV744824, AV733262, AV725042, BE176841, BE814031, AV654387, BF828021, AW021706, BF476645, AA618186, D58096, AV749166, D57778, BE929600, BE938157, BF357923, N23730, T27640, D57449, BE174681, AI245094, AW579397, D57757, AA040944, D57518, AI678887, D57468, T27639, AW939698, D58277, AX014320, K00650, I96207, AF111167, X06769, V00727, J00370, AF033012, AJ132510, AF061881, M37000, M18043, AB022276, AB020214, AF069515, Y14808, Y15747, AB022275, AF029166, AX010026, S60557, D12551, I24430, AR040781, S65140, T61093, R10192, R10215, T97774, T97881, R13148, R31511, R32943, R33906, R33921, R37053, R44148, R49880, R44148, R74449, R79209, R84834, R85530, R95977, H71003, H71015, H83387, H83388, N36936, N52416, N62388, N72823, N73801, |

HVVDJ95	348	1005153	1 - 1286	15 - 1300	N99428, W74016, W74018, W96348, AA018712, AA019816, AA020837, AA020879, AA470397, AA493243, AA515358, C03207, C17030, C18106, AA174191, AA402051, AA434146, AI093633, T16515, F01435, F01912, D45546, F05184, F07701, AI244117, AI559806, AI567603, AI695592, AI858769, AI933993, and AW337322. BE744159, BE735588, BE562290, BE543899, AV703356, AW951513, AJ869315, BE397694, BF344590, BE222785, AA147088, AW888880, AI421559, BE048028, AW131473, BE904977, BF593805, AI860630, AA307132, BE693231, BF195558, AI859194, AA554706, BF848110, AA779596, BE671642, BE671636, BE772850, AI817963, AW131732, AII31006, AI131235, AI298506, AW360926, AA132115, M79142, AW085550, BF827911, R32144, AA996236, AA827499, AW961823, BF847182, AI864171, AI810869, AW083177, AI279054, R21586, AI683076, R32143, R49059, AI682910, AW959257, BF340401, N48917, BE764109, W07596, H03637, T32822, AA902240, AI951120, AI302680, AA031941, AA555053, BE502039, AA557656, AI795815, AI874400, AW806659, AW020184, AA318860, AI909782, AA327450, AV655438, BE242543, AI935791, AI702044, AI913289, BF432516, BF848050, AA132349, R49185, R33114, AI948650, F03268, N46415, AI419183, T29712, AA147145, N20886, H19201, AI539258, BF739937, AA904255, AI356503, BE140381, AA348337, AW806516, R62224, H03636, BE220594, AI636387, AW515881, R33262, AW166586, R64601, BE328664, AW016275, AA581451, N78707, AI915762, BG117733, AI540261, AW997810, AW889502, AA319725, AA985516, AW169409, AA319821, BF340433, AL118620, AA348452, BG058342, AI962093, BE719358, AW883253, BE719354, BE885116, BE735840, AC000395, AB037729, AK000242, AK024575, AF295773, L07924, L07925, AF295780, and U14417.
HODIY29	349	1005236	1 - 2101	15 - 2115	BF850023, AA904772, AI936458, AW328025, AV751671, AW629145, BE695496, BE695579, AW024363, AI198959, BE695471, AI349413, AI341534, BE695595, AW511051, AI218318, AI087061, BE695610, AA609271, AI366723, BE695599, BE695474, AI093675, BE695613, BE296186, H58337, W03883, AA279464, N65952, R91414, H78868, AI630666, R70876, W79400, AW382181, AA362029, BE895116, BF089826, H28788, AI480262, AW117400, H58726, W79513, H80111, BE764221, BF365918, BE068813, BE695504, BE695512, BE764265, BE695494, H63582, H63540, BE764277, T05675, H28762, H66903, H66858, BF365940, BE764232, BE816201, AL079551, AL079533, AA094526, N94211, BE271751, BE768528, AU126895, BE816196, BF331621, BE764248, AA279129, R15357, BE783140, R17312, AW805680, BE545692, BE778796, BE764309, AI783879, AL079534, BE695609, BE774755, BG170522, BE695566, BF875922, BE708280, BE695475, BE695472, W42817, BE815092, BE768557, AI567131, BE695450, BE695612, BE695598, AA091206, AW837053, AU128777, BE816203, AW887482, BF305224, BF918481, BF968385, T77720, AA568428, AF139897, AP001717, AP000114, AB028942, AP000303, AP000304, AP000046, X63071, X63753, X63754, X71604, AL356276, M36428, AF193607, AF193597, S47241, AF193600, AF193598, and AF193599.

| HOELP29 | 350 | 1005359 | 1 - 1308 | 15 - 1322 | AL530557, BE791049, BE618996, BG257624, BE731913, BE886771, BG114069, BG116664, BE856856, BF797021, AI741539, AA877855, AI800932, N32038, BF432001, BE898057, AI694373, AI808071, AA262486, AA903806, AI138931, BG255357, AA468735, AA470769, AI138466, AA954750, AI151371, N29514, AI189798, W49771, AA814845, AI183296, AI357130, W70171, AA280787, W69944, AI186447, W69834, AI499111, BE908525, AI086208, AU129984, BG025691, W69906, H87149, AI469927, AW971625, BG250733, BF325889, BE141551, AL527393, N57458, BE696978, BE696980, AA035645, BE891620, T48534, AI188861, AI160592, AW516114, BE327105, W30843, BF745219, AI619930, BE763528, D78335, AB030700, and AA280793. |
| HWLFG04 | 351 | 1005384 | 1 - 1040 | 15 - 1054 | BF309040, BE727908, AW080447, AI813764, AW156901, AI624222, AI954032, BE727602, AW473780, AI861975, AV711593, AW511541, BG117850, BE892765, BE301686, BF941321, BE727148, BE877682, AA669760, AU136925, AA604124, AI186207, AI951492, AI016700, AI125916, AA081009, AI673719, AU160400, BF211379, AA173953, BG033959, AU146424, BG164551, AA666305, BE873924, AA100874, AW304292, AW471151, AW513002, AI580161, AI078833, AW068925, AI811621, AA666358, AA534849, BE786612, AA662226, AI432440, BF732965, AU150305, AI139223, AA130980, AU155685, AA707346, AA724885, AW474759, AU157841, ALI20428, AV711263, AI141060, AI244874, N66401, D53110, BE834286, T57109, AI288812, BG104684, AA099214, AU156023, AI537130, AI167469, AW263441, AAI73643, AU157341, AA187544, AI357914, BF084240, AA938617, AA632832, AA157933, AV714164, T33607, BE834321, AA807994, AI381658, BF086680, AA634268, AA315460, AA224251, BF086663, AA557374, T90497, AA639802, BG117431, BG118933, AA826543, AA551431, AA282337, BF726089, T69431, BF981803, W28397, AA948655, AI128023, BE727393, AA256923, AA130975, AA565098, BE728536, BG029544, H89626, BF882766, AA872943, T36145, AV748147, AA632190, AV704174, AA330174, AA130436, AI686635, AA130437, AA076099, BF086506, AA729737, AW392904, T92925, W04825, BG253169, AW802882, AA009665, AA356814, AI263840, BF211293, AA070450, BG166290, AA810386, AW392890, AA235380, AI954229, AA041269, AL520247, AA481985, BF215385, AI744430, AA928912, AA731542, AI208724, AA777668, T90593, AA887638, AI559330, AI801006, AW975764, W46171, R86972, W44443, BE928509, C02751, T25894, AI581770, BE168358, AA084634, AA358962, AW392839, AA771848, BE764142, AA894945, BE182212, BE543242, T10776, AW392836, AA394224, AA878485, BG168089, BE163936, AI582590, AA197336, BG180181, AI833003, F35679, AW768788, AW190598, AA398137, AA481889, BF726929, AI826585, R27279, AI557490, BF061257, AV702131, AI766834, AI033007, BF738475, AI811690, AA627813, BF086524, AI241386, AI248407, AW820874, T93041, AW392848, W46535, AU120330, AI096806, BE876198, BE890386, BF913319, AU137916, AI833030, AV751052, F23284, D25873, BF082805, AW852076, AA301281, AW959407, AX014875, AX017985, AF090891, U33821, AF268075, AK000098, and AC004549. |

HYAAC49	352	1005511	1 - 769	15 - 783	AU139442, BE569198, AU135922, C75131, AV718280, AW390194, BE865872, BF240773, BF571465, BF183939, R24772, R14521, BF184986, AU127909, BE380148, R35572, AA385863, BF795902, BG115301, N83156, BE560295, BF243095, BF805901, BG037006, W86403, BE890587, AA322376, AU128221, BE885883, BF218257, AA447000, BE171121, BF240001, BF666929, BE886808, AA496772, BF830589, BF102486, BE548882, BF211322, BE154533, BF434758, AI983937, U87166, AF001628, AF260262, AF006516, AF176784, U17698, AJ277071, AJ277068, AJ277067, and AJ277069.
HCOOA71	353	1005843	1 - 680	15 - 694	BG032088, AW674754, BE793744, BE301427, AW001177, BF796457, BE222626, AA676823, AW245046, AI742447, AI086381, BE382943, AI038253, AA631108, AI432174, AV740792, N36161, AI354418, AI138537, AI435564, AA622991, AI432169, AI288565, AA412597, AI299942, AI628257, AA769383, BE731107, BF025815, AA262361, AI333049, AW138279, AA489757, AA426358, AI185088, AW071200, AA678330, AW974396, H81770, AA383464, AA325218, BF663601, AI826476, AI570948, AA758452, AI659519, AW975605, AA953294, AI351414, N94604, AI086406, AI858778, BG222816, AW474212, AI351407, AW328179, AI201546, AA426521, AA649981, AA700598, AA489649, AI085660, T99013, BE770129, BE770165, BE387301, AA827478, BE770154, AI382758, H29471, AW629408, AA852445, AA559102, H99900, F18425, BE018615, AA377901, AA714184, BE792052, BF932098, AW797213, BF898501, BE302202, R07444, AA359193, AI797445, AA639044, BE206518, AA357798, AA648070, BF765959, BF768917, AA094140, N57963, AW361814, AV744851, BG222117, AI745563, BE727188, BE170556, BE407088, BF305624, BE513977, BF129902, BF845366, AI795892, AW363952, U46389, AA357516, AA373724, AI401076, AA357714, Z96932, AF116691, I89947, and AA232683.
HOUFB45	354	1005974	1 - 866	15 - 880	AI825882, AI696873, AI738563, AW103989, AW613147, AI268306, BE793730, AW770856, BF061575, AW051548, BF739812, BF958201, BE273154, AA858218, AI090497, AI075184, AA815445, AI381954, AI284912, AA235085, AI571911, AI218189, AA885429, AA626489, AA922962, AA424585, AW078477, AI832643, AI743823, AI221668, AI690707, T34988, AA769343, BE348685, AW769161, AI952634, AW452891, AA976512, AA687740, Z40231, AA235212, BE246574, AW572211, BF797899, AI014979, AW603755, T82196, AI766582, AI915196, AW078592, R43900, AI869134, AI524517, AI635964, T35732, N24554, AI866546, BE074731, R43261, T32374, BE265660, AA206547, F01511, AW079587, T82197, BF530913, AA235496, AW450279, AA625573, BF337280, AW979330, N33999, AI312812, BE273206, AA693982, BF927110, AA400118, BF892007, BE874163, BF814420, AW262593, AI471271, BF892003, AI003314, BF904265, BE965707, AI174819, AI344935, AV712612, BG257545, BF934149, AA648447, AB002328, AF072441, Z92546, AP000353, AL390166, AC009361, AF061947, AF308801, Y09972, AF130110, AL049430, AL050389, AF056194, I46765, AF090900, Y12226, AB029066, AL133028, AL133015, AK000502, AK026104, AF151076, X63530, AF114168, AK027114, AK026600, AF175903, AF177340, AK000285, AF124435,

					AB052191, AF202636, Z48796, AK027200, AX015416, AK027137, and S69407.
HUSJI14	355	1006018	1 - 2396	15 - 2410	AU125044, AU125106, AU124136, AU132115, AU142302, AU123505, AU128772, BG259270, BG104503, AU127066, BE877587, BF102972, AW961540, AI819062, AW137042, AA218870, AW268435, AU159649, AI914414, BF571164, AW965326, AW021609, AW859986, AW960460, BF667479, AW859994, BF571923, AI290998, AU132875, AI805453, N42226, AA453340, AI143590, AI961984, AW965469, AU133448, AA534880, AA805995, AA478879, AA315171, AA478622, BG250380, H10486, BF910659, AW083409, AI279728, AA022968, AI859003, AW820411, AI971338, W27642, BE940037, R35417, BE940013, AA810040, BE940009, AA909119, R71284, H30337, AI743639, T17061, AW820415, BF913401, BE698731, H97022, BF243145, BF002853, AW604825, R13747, BE174730, AA332955, AA600911, AI086130, T87426, AA330024, AI092372, AJ239430, AA461371, C01331, AI224398, N41982, AW752484, AW752492, AW051138, R14406, AW452485, AI439708, BE694190, T99701, R08328, AA091602, R58882, R16157, AW500586, AI382652, BE934080, AA252088, AI061448, W27426, BF088818, R0838, 1, BF088814, BE880142, AW820413, BF589424, BF229364, BF913396, AI620838, BF088832, R19923, T99096, BF229365, AU154390, AA327941, AA190558, T77110, BF356534, AA738469, BE856271, AI697789, AA588155, AU151002, AU148839, AI086357, N30259, AI624125, AI859524, AA464855, AA946796, AW470143, AU153720, AW368233, R44163, AI183953, AI092159, AI803728, AI418332, BE173781, AI038144, AW022885, AK022572, AK001676, AK001754, and AF052123.
HMCDB21	356	1006055	1 - 556	15 - 570	BE464861, AI652330, H91834, BE703983, H91879, AA759248, AA769818, AW593481, AA902687, BE972738, AW235775, AI379370, AA974129, AF100774, X57477, X57689, X57476, X57688, and U79668.
HSDEY08	357	1006142	1 - 1956	15 - 1970	AL537989, AL533695, BG170919, BF972004, BF345100, AW026975, AI937448, AL532622, AI806907, BE378539, BF967058, BG115124, AI869308, AI150559, AW007470, AW149368, AI360337, AI479472, AW411234, AI199048, AI199509, AI300927, BF341774, BF688178, AW511458, BE296272, AI655154, AI652153, BE270387, AI377853, AI609567, AF147181, BE295186, BE270395, AI500244, AW965710, AI878920, T06902, AA354921, AI027477, AF147185, BE295192, AW050894, R72213, BE858989, BF886588, AI703318, F05831, AA077697, AA077739, AA077344, AA076971, AA506828, AW885532, AA357567, AW885629, BE811342, BE773565, AW002991, H30179, AA077004, BE269771, AA077615, BE701815, R73305, AA077477, BF953004, BE811355, BF509539, AF147184, BG149726, BE773538, BE833501, AF147190, BF247437, BF090978, H45089, AA349590, AA077534, AA402202, AA405835, AA402203, AC021097, AC005486, and U66619.
HOOJT92	358	1006215	1 - 2631	15 - 2645	AL044704, BE271772, BF796439, BE746386, AL044621, AI051986, AA127622, AL046283, AV702820, BG121331, BE746300, BG176577, BE747570, BG035456, BE857140, AA121525, AL044622, BE315418, BF796863, AA046983, AI038252, AL040929, BF431928, BF819832,

AL042112, AV746042, AI762267, AW576260, BG054735, AA046926, AI566318, AA306434,
AW995638, AL044703, BE792298, AI906041, AV727640, BE890153, AI127723, AI740576,
AW664861, AI313470, AA527000, AI207775, AI040418, AA557490, AI366695, N74245,
AI245975, AA142928, AI052762, AI920858, N77404, AA825329, AA252773, AI087425,
AI279057, AW375835, AI200495, H99001, W01085, AL046282, AI497903, AW381887,
AA181573, AI207273, AA653703, AW177632, AI304878, BG003479, W39665, AA429789,
AI289844, AV712180, AI918141, AI200594, AA452265, AI141626, AA644434, AA836771,
AI032782, AA808530, AA814061, N36805, AV654396, AV745507, N35594, AA767910,
AI221535, AV652231, AV652542, AI218061, AV654444, H97693, AV745455, AA723328,
AA835759, AA985569, N72693, AA810912, N46022, W56530, AA160218, AI123106,
AA501931, H13502, AI922239, R97354, H56263, BF809825, N52443, AW371837, H10004,
Z44327, AV711658, R84311, BE297173, AA057067, AI184782, AA160217, AA452019,
AV691968, BF827721, F07113, R91721, AI391734, AW505407, N30664, BF808619, T30620,
AA614417, AI630683, R68976, T64244, T64245, AA983665, AW301268, AA987678,
AI922854, W15458, T55108, R81971, Z40206, AW576345, T34877, H04944, AA027231,
AW062347, AA257122, AW177630, AA365300, AA716275, R81970, C17340, T23595,
AA300903, T79201, R92157, AA029312, AI051495, H65726, D78944, AI364999, F03460,
AI963749, W02474, AI683695, BF197190, AA299766, AA992820, AI683346, T34458,
H56067, T99255, BF360729, AA928958, T79288, H65727, AI445601, BE547173, AI089366,
T99213, H10005, AA056922, BE090881, AA262378, BF828251, N53438, AA854711, R87674,
AA027183, AW084848, C15505, D81561, BE825603, T81836, AW769631, T55275,
BF994799, R68977, R97317, AI685486, AW026938, H13449, AW604084, AI537015,
AW873677, AW869170, T81309, AA262245, BF339805, AI804838, AI868136, AI520943,
BF092526, AW769695, AI539776, AL049780, AL117502, L40402, AC007055, AF113694,
AL096762, AL035458, AL158830, AC010201, AL162615, AL356010, AL021997, D86992,
AP001710, AC008403, AC073884, AL078581, AC004983, D88270, AC005052, AC005632,
AC005512, AC073327, AC007021, AC011716, U63313, U62317, Z95703, AC005920,
AC006138, AP001717, AL078477, AL049829, AP000553, AC018751, AC011479, AC005659,
AP000116, AC007637, AL133451, AL080315, AL139331, AC009248, AC005778, AL096791,
AL031427, AC009307, AF254983, AC005800, AC004067, Z98257, AP001720, AL035704,
U91318, AL133519, AC007686, AC005058, AC008687, AL135744, Z95113, AL121881,
AC005082, AL023879, AL390028, AP000036, AC009756, AC007597, AF275948, AC005209,
AC003042, AL021546, AL163201, AL035086, AL021397, AC002430, AC004148, AC007882,
AC005695, AC002037, AL034417, AP000048, AC004846, AC003109, AC009516, AC010473,
AC009424, AL162505, AC007384, AC010102, AF227510, AL161892, AL356747, AC022432,
AC003006, AL353574, AC007388, AL022153, AC024247, AC002316, AL049776, Z93015,
AL117378, AP000356, AP000354, AC010977, AC008379, AC005255, AL138680, AP001429,

				AC002312, AC004815, AC007792, AP000150, AC006088, AC005520, AC005874, AC010451, AF134471, AL160176, U91319, AL022393, AI139099, AL118520, AL133454, Z85987, AC020906, AC011484, AL133288, AL049553, AC004414, AC008482, AL354653, AC007193, AB020861, AC006480, AC018642, AC003982, AC007324, AL353680, AC004971, AL391595, AC004166, AC002565, AC008753, AC010412, AL050335, AC008101, AC019227, AL078583, AL133387, AL354993, AC006013, AJ277546, AC008664, AF130343, AC015971, AC018897, Z83838, AC005921, AL121914, AL035079, AC002563, AC005280, AL031681, and AI685488.
HNORE03	359	1006250	1 - 848	15 - 862	AV700281, BF111882, BE858353, BF509559, AU144292, AI797616, AI911080, AI417220, AW592473, BF509133, BE677749, AW023813, BE465084, AI207263, AA393266, AA398669, BE173478, BG115116, BF792961, BF970768, AL043345, AI909697, BG179993, AI812015, BF343286, AW161156, BF133371, AV702833, AA641818, AW130930, BG105895, AI923989, AW161579, BE789764, AW827206, AI500061, AI572021, BE927769, AW051088, BG113188, BF814527, AL048656, AI859991, AV654374, AL047275, AI525653, AI567582, BF856052, AV757737, AL514093, AI783997, BG058150, BF527014, AV714085, AW132056, BG164575, AI863382, AI783504, AW020095, BF970652, AI434741, AI284131, AW118518, AI702073, BF895953, BE011880, AA814407, BE877467, BF905454, AI249497, AL040694, AV709522, AW162194, AL135517, AI536685, AV650703, AW983783, AI570807, AW071417, AW151136, AL514097, BF814357, AI564719, BE538997, AI620089, AA449768, AI288305, BE886844, AW983829, AI886753, AI933589, AW026882, AI635067, AI923370, AI868951, AW149925, BF924869, AL513371, BF812960, AI537261, AI539771, AI432030, BF812938, BF752245, AI612852, AI590630, AI886415, AI634251, AW148408, AI862144, AI433157, BG029829, BE545500, AI886123, AI499285, BE927743, AI472536, AW168485, BE880498, AW827103, BF812961, AI866090, AI620284, AL039086, BG029086, AI250369, AI445992, AI445990, BG261282, BG259763, BG260287, AI891084, AI866770, BF814420, AI633125, AL046618, AV682575, AW983832, BF812936, AI698391, AI627988, BG036846, BG256090, AI677796, AL079963, AI915291, AW152182, AI640729, AW022699, AW089275, AI582932, BF726207, AI889189, AI521560, AL514473, AI683128, AI890907, BF856017, AI473536, AW008166, AV741327, BF816037, AI824576, BG257535, AV682479, AW162118, AI862139, AI270183, BG033732, BG110517, BG109857, AL119863, BG164558, BF338002, AI815855, AW238688, AI670009, AI537244, BF814450, BG036614, AW834302, W74529, AI525669, AV759831, BE963838, BE536058, BE964614, BE785868, AL036403, AV682787, AW020693, BE620444, AW673679, AI523806, AI623941, AV734318, AI537677, AI971615, AW051059, AV758477, BE546870, AI860003, AI868204, AV735353, AL048323, AV760409, AI919534, AI648684, AI150993, BF245586, AL513991, BG113299, AL048340, AI863321, AI368943, AI624293, AI284517, AW302988, AI889376, AL047422, AL037030, AI345745, AL036631, AI286256, AL513775, AI269862, AI873644, AI440448, AL513817, F27788, AW192652, AI863191, AI802542, AL514919, AW827249, AI432040, BE047852, AI242248, AW083778,

				1 - 2644	AI696398, AA908294, AV652443, BF525883, BG029667, AI890214, AL036980, AI559619, AW128841, AI699865, AL110306, AB037774, AK000927, AL137529, AK024538, Z97214, AL049283, I89947, I48978, AL389939, AB052191, AF118094, A08910, A08909, AK026927, AK024588, A08916, AK025708, AX020124, AK025092, AJ005690, AR038854, AF119894, AK026480, AL137271, AK026506, AB046642, I09499, A08913, AL137478, AF177401, AF116631, A77033, A77035, AF087943, AF026124, AF130110, E02221, AF119857, AL389935, AL050024, AK026353, I48979, AK000083, AF125948, AL122093, AL137521, AL133560, AL162083, AF118090, AL133081, AK026959, AF130077, AL137533, AF113690, AF126247, AB050410, AL023657, E06743, AL050172, AK026744, A08908, AB048975, S78214, AL050149, AB052200, AF130082, AL133568, AK025465, A08912, AL389982, I89931, AL049314, AL359596, AK025209, AK027200, AF116646, AL050116, AL096744, AK000323, AF116682, AF079765, AF026816, AF057300, AF057299, AL137476, Y16645, AR087170, AJ000937, AL049430, AL133016, AL080148, AF162270, AF119878, AF119865, AK000137, AB048954, AF130105, AL117460, AK026462, L19437, AF116610, AB041801, AF113699, AL137459, AF183393, AF090903, AL050108, AL353956, AK027116, AF139986, AL137480, AF061573, AL122110, X82434, I33392, AK026642, AK026542, AL353940, U88966, AF314091, A18788, AK027114, AF119875, Y11254, AB047887, AF116609, AK025084, AK026741, AK026784, AK026630, AF242189, AL117457, AL050155, AL133010, U42766, AL110222, AK000614, AR013797, AK026086, AB048953, Y11587, AL133640, AK026626, AL117416, AB048974, AF111849, AL359618, E07108, Y09972, AK025254, AF090896, AL133565, AL162002, AK026855, AF113019, AF100931, I03321, AL110196, AL359583, AX045627, AF079763, AX040974, AL137538, Y14314, AL080074, AK024594, AK026593, AJ006417, AL050277, AF078844, AK027096, AK000418, AF119899, AF067728, AX042059, AL390154, AF132676, AL137550, AB047941, AF061836, AF111851, U58996, AB047904, AK026762, AK027213, AK026592, AF260566, AF090901, Y07905, AL133031, AL133606, AL137292, AK026534, AL137429, AL359622, AF130055, AK025967, AK025414, AK027204, AK025435, AL359601, AF185576, AF106657, U35846, AJ012755, AX026824, AX026823, A58524, A58523, AL049466, A18777, A65341, AL133080, AF153205, AK025312, AJ003118, AL442082, AX027129, AL050138, AF230496, AF130104, AF113694, AF116688, AF130066, AF113677, AB048964, D16301, Z82022, AL442083, AK025632, AL133075, AK025484, AL157482, A03736, X96540, AL110280, D83032, AL117648, AF118064, AL080159, AJ299431, L30117, A93350, AL110221, AF090900, AX010492, AL117440, and AF106862.
HPCTS21	360	1006317		15 - 2658	BE738670, AW969031, BG033369, AV723811, BF185746, AA496142, BG167304, BF526442, AW071692, BF691470, BE219222, AI569569, AW411538, AA768873, AA496143, AA975521, AI286012, BE737698, AI476316, AW473390, AV719519, AW593323, AA714205, AW341557, AA451627, AI697737, BF515831, BF207441, AA504417, AI685337, AW301603, BF693927,

					BF032069, BF573484, AI286073, AII29332, AW303806, AA287382, AA287509, AA478080, AI215982, AA744791, AV750824, AA406109, N49389, AV721062, AV725349, AI569330, AA808380, AW752428, AA652789, AI205111, R68889, BE835495, H87507, N49478, AA683003, AI784410, AA720647, BE041750, BE005144, AA058432, BE181095, H01638, R72970, D81097, R68789, AA056754, BF572784, T27346, R73585, BE513259, AW338565, AA906927, T27284, AA247719, H01529, H87508, BF215445, AA749501, AV691095, BE379738, and AK027171.
HFATL31	361	1006399	1 - 986	15 - 1000	AI808778, BG054989, BE857601, BE885329, BE881349, AW304934, AW962192, BE712961, AI880009, AI815709, AW163154, AA526969, AI150509, AW161293, AI146808, BE712850, AI088675, AA722187, AI990261, AW451154, BE712843, AW449490, AW161970, AA115532, AI983943, AI492618, BE712919, BF589503, BE712889, BE713004, AW162759, AA719439, M79223, AI804223, BF939296, AW972384, H97676, AA552629, R76719, H41614, D80207, T31248, AI796667, R75663, H13188, H13189, H18312, BF886117, BF762457, W23735, AA115533, AI203992, H97439, D56295, AI832722, W35334, AI432110, AA084432, AW157796, H18170, H40836, AI916646, BF977122, AW083168, AA602325, BF338333, BF131373, AI434123, AW880236, BF726099, AI654105, BF726100, BG029058, BF339019, AI086254, AL118520, AR075096, U05784, AF119856, AL050015, X00861, AF113676, X87224, AL359382, U72882, AJ131955, AR059958, AL389951, AL133014, Z97180, AF218005, AF159141, I00734, AB016496, AF217972, AR095619, AL355713, AR095635, AB007812, AF188698, E00617, E00717, E00778, and AF144093.
HE2JE77	362	1006445	1 - 561	15 - 575	AV763983, AV726509, AV724045, AA484895, AV717042, AA491575, BF665912, AV752886, AV704858, BG171129, BE295759, AV759175, BF212041, AI133335, AW954146, AV718303, BF697058, BF575185, AV716398, BF695081, W40182, W19621, H74259, BF574703, AW959573, AV763693, AV714436, BF747404, AV761405, BG171057, AV760476, AA298804, BF666224, AI929471, AA296780, BE781598, AI815460, AI541337, N29084, N36756, H87040, AW959568, AV738107, BG121116, AA297887, BE513823, BF979410, BF697403, D56475, BE706808, N98570, W31214, AV712776, BE693502, BE513154, BE065121, AA298012, AV716021, AV751542, BE065135, H83627, AV690262, AA298961, AV660329, AA297588, AW371999, BF994508, AA297029, BF214397, BF980359, BF239553, AA297868, AW748993, AA297949, AV712048, AA297436, AW362946, AF121166, BF805496, BE774733, W85999, BE828311, AA257047, BE774859, AV732932, AW576707, AI126303, N77409, AV694284, BF765220, AI086042, BF807758, W21542, BE693520, N79915, BF335710, BF807687, AI885697, BF807695, BF807764, AI816403, BF378424, AA724019, AV722344, AI740446, AI001781, AI880801, H75925, AA412714, AA091861, AA251819, AA489131, AW968954, BE222943, AR051263, AF078848, AF201948, and S54914.
HCBNX87	363	1006477	1 - 934	15 - 948	AA195189, AI872284, AW770858, AA195225, AI970956, BE219722, BE856129, BE348445,

		0			AW081553, AI087990, AW450597, AI813529, BE467530, AI989416, AW341108, AW770570, AA192619, AA196388, AA761908, AA907918, AI005370, BE744504, AI125962, AA180234, BF221835, AI692710, F33759, AW510603, F30952, Z17874, AA490979, AA363184, BF221563, AI681453, BE899482, AA768364, AJ251238, AL132642, AL137735, AX022314, AF159164, AX022312, AF155353, and AK002049.
HNTDJ68	364	100648 3	1 - 3266	15 - 3280	BG255574, BF797869, BF688018, AA088346, AL046406, AA626207, AA148554, AW271825, AW771157, AA122367, AA121480, AI123736, AI074017, AA419583, AA250725, AA150178, AA308446, AI470940, AA903233, AA088345, AA055608, N22856, AA253428, N45057, AW770308, AA055472, H27374, BE676183, AI221091, AA993376, AA400257, and BG230996.
HTRAA05	365	100651 2	1 - 561	15 - 575	AI742386, AI524073, AI401286, BE561354, BE295468, BE267749, BE513336, AI459535, AI889934, AW962270, BE712449, BE712458, BE695348, BE712281, BF106390, BE560144, AI927392, BF727086, AI160850, BE792824, AW081202, AW029525, AI814545, AA701033, AV703327, AW104087, AI886582, AA575902, BE695412, BE712223, BE712220, BE695398, BE712549, BE695418, BE712279, BE712505, BE712319, BE712008, BE695425, BE712770, BE695432, BE712628, BE712414, BE712498, BE712213, BE712504, BE695389, BE695426, BE712510, BE712170, BE712624, BE712232, BE712047, BE712014, BE695407, BE712104, BE712166, BE695391, BE695427, BE711646, BE712506, BE712331, BE695413, BE695403, BE712285, BE711560, BE712102, BE712622, BE712773, BE712502, AA770666, BE695378, BE712050, BE695420, BE712334, BE695373, BE712544, BE712724, BE712548, BE712555, BE712553, BE712222, BE711652, BE712211, BE712421, BE695416, BE695424, BE712212, BE712103, BE695419, BE695436, BE695415, BE711760, BE695364, BE712430, BE695384, BE711604, BE695404, BE695431, BE695423, BE695408, BE712231, BE695360, BE695429, BE695417, BE695409, BE712391, BE712668, BE695375, BE695395, BE711558, BE712670, BE711986, BE712324, BE695428, BE695402, BE695344, BE712587, BE695345, AA976480, AA767170, BE695382, AA576980, BE711587, BE712454, AA384751, BE712392, BF726553, AW591351, BE712507, AA687454, BE712322, BE712771, BE695414, BE695400, BE695434, BE712100, BE695362, AI367957, AA687513, BE711670, BE695381, BE695358, BE695368, BE712171, BF112286, BE712160, BE711502, BE712221, BE711535, BE695405, BE695346, BE711532, BE711842, AW079821, BE695377, BE712045, BE712162, BE828330, BE695433, BE695421, AA352952, BE695355, BE695365, BE711508, BE695351, BE695383, BE695359, BE695379, BE712101, BE695350, BF837811, BE711614, BE711657, BE695352, BE695376, AW370204, AW510617, BE712003, BE711603, BE828321, BE695392, BE695410, AI460272, AA507928, BE695430, BE828315, BE828313, D60602, BE828312, AA317838, AI460272, AA507928, BE695393, BE856500, AI309112, AA907009, D60602, BE828312, AA317838, AI739011, T71962, AA507928, AV68621, T81771, BE327944, BE695356, AA662912, BE711542, BE940444, BE712474, ...

HMTAL96	366	1006635	1 - 1821	15 - 1835	AA522896, BE695380, AW071632, and T71693. AU121947, AU133408, BG107816, BF978353, BG167070, AU136479, AI912625, BE787533, AL043108, BF978689, BG118584, BF575979, AW946781, AA541465, BE896118, BF242492, BF673227, BF574674, AI769406, BF573737, AI677825, AA843784, N90942, BF679753, AL133947, BF340046, AI122639, BF338412, AI956122, W58349, BF674910, AW946784, AI146802, AA433844, AV721278, BF213289, AI829684, AI248810, AW148927, BE549681, AI634356, AI693209, AA313329, AV721952, AW015279, AV721448, AW970646, W48807, N33995, AA770568, BF570691, BE046360, AI200909, W52177, BF670447, AW337556, AI925678, AW137200, AW946872, AA740996, AW473986, AA044616, AI088578, BF986183, AI302975, W58474, BF572827, AA176436, BG149747, N36852, AI090980, AW440100, AI814300, BG031130, AW403227, AA846487, W52178, W60313, W60262, BF577093, R80598, N35139, AW080740, BF930195, N46123, BE891377, BG231991, R80597, AA178883, R23907, AI244465, AW027841, AV707552, N36871, AA262561, AA626808, AI127632, R24938, AA158096, AV705840, N46141, AA165152, AA165180, H94816, T28111, H89174, AI523244, BE539497, AW876080, AA885512, N32999, AA042803, AI291968, AW271335, AI374631, AI928012, AI582354, AA905984, AI391678, AA654121, AI470822, AI659820, AU150290, AI435866, AA478972, AI672499, AA782245, AI683540, AI242454, AI963948, AA098811, AW974863, AI970953, AA098979, W47019, N24550, AI656583, AA098926, AI811590, AI346328, AI702054, AI926667, AI565050, AI669676, AW300195, AA626702, AI078689, D20104, AI910690, AA991913, H80964, T70014, BE041620, AI432060, AA329386, F00987, AA677620, AA450363, BE328391, AA100143, R82731, AV749441, AI912968, AI681692, BE219987, N89579, BF575528, R23125, R23127, H83940, AW404323, BF446671, AA730321, BE253861, AA069494, AA808762, AA370257, Z28753, T29433, BF732515, AI365551, AW502459, AA243213, T39145, BF530380, AW795398, AA973669, W46200, BE183279, AA836447, W23989, BF105047, T39150, W17101, BE041692, BE827333, N91885, AA453560, D45259, T10404, N47782, AA091310, AV749903, R23998, T27528, AA165310, AA248615, R23906, AI420657, BF240034, AA809895, R31791, BE006042, AA089814, AV718352, BF447937, BF003074, AA863104, AI095737, BE220393, BG236248, AI420216, AI597664, AI972622, AA523550, BG036924, AI674511, BE673195, BF446200, BE550809, AA913502, AI218901, AI827982, BE674363, AX017503, AC018682, A93912, AL139099, AB031482, M31470, A93910, D49727, AF196993, AF197014, D50264, D49726, D49725, R62747, AA853568, AA916254, and AA969277.
HDTJP21	367	1006858	1 - 693	15 - 707	AI911957, AW804755, AI862391, BE067582, AI301580, BE067581, BG033220, AW817932, AI591299, R62701, AI590522, AA502683, AL040054, AA634017, BF991208, AW273830, BE261047, AI344810, AW021774, AI590459, BF767878, AW302983, AA579469, AI870204, BE243098, AI345123, BF854038, BF810071, AV710482, AI597820, AW303254, BF832078, AL133668, AA077776, BF925233, H05073, AI345550, AA634889, BF149427, AA654781,

BF847015, AW970992, AA872299, AW082744, BF681222, AV762982, AI859946, AL079834, AW263864, AI252483, AW302984, AA551390, AI826845, AL039471, BG008096, AL048060, BE139043, BE138563, AL526288, AI275989, AW504485, BF934742, AA528480, AV744333, AW517743, AI908575, BE063646, AV761714, F00212, AW852100, BE138649, AI252999, AC005237, AC008482, AF168787, AL021391, AC006285, AL121886, AL133466, AC003029, AP001726, Z84474, Z85987, Z46773, AL080243, AC023344, AC008764, AC005000, AL023581, AC008567, AC009242, AL031432, AC007390, AF088219, AP002898, AL096701, AC005832, AC006480, AL096870, AC003101, AC005253, AL391690, AC007845, AC008537, AC008753, AP001695, AC010553, AC016025, AC002540, AP001728, AC008733, AC008155, AC004593, AC006449, AP000326, AP001412, AL031229, AC002563, AC027319, AC007298, AX021009, AP000122, AP000169, AP000054, AL121601, AC018758, AL121712, AC010092, AL160410, Z93023, AL121929, L34079, AC006597, AP001711, AP001725, AL035458, AC004000, AP001538, AC004983, AC007383, AC005261, AF216667, AP000208, AP000130, AC004796, AB001523, AC005899, AP001435, AC005280, AL035587, AF196969, AP000247, AP000359, AP000152, AC009180, AP000065, AL049761, AL158823, AL121583, AC004690, AL390759, AF019413, AP000008, Z97985, AL163279, AC011479, AL021937, AC005284, AC002470, AF254822, AC010618, AC006538, AP000512, AC010072, AC007052, AL121989, AP000089, AF215937, Z99127, AC010358, AP000704, AL049870, AC002364, AC021016, AC006117, AC003688, AC011451, AL135924, AL031659, AL365505, AL109804, AC020908, AC087225, AC020914, AP001674, AC005822, AC006261, AC006547, AF011889, AL157951, AC004526, AC010473, AC005332, AF196779, AC005234, AC000075, AF109907, AC006334, AC024168, AL034548, AC005180, AB007953, AL135978, AL049776, AL008582, AC011465, AL121845, AC007246, AC026888, AL163285, AC007225, AL356422, AL132713, Z93244, AL161422, AL358785, AC009228, AC005695, AC004217, AL031658, U85195, AL132659, AL445687, AC006028, AL031680, U80017, AC005081, AP000210, AP000132, AC004890, AL121926, AC006511, AP001710, AC005779, AC002430, AC008403, AC011482, AC004799, AC005768, AC007731, AP000553, AC004814, AC005399, AL136450, AL355499, AE000658, AC004886, AC016620, AC005500, AF037338, AC005664, AC004655, AL354720, AC004166, AP001477, AC005663, AC002302, AP001760, AL050348, AC007384, AL356020, AL356747, AL020997, AL031587, AC007546, AL133245, AC025809, AC009060, AC020906, AC009298, AC005914, AL133453, AC004087, AC005052, AL023803, AL135901, AL158012, AC020741, AP000248, AC005158, L44140, Y14768, AL035086, AL034379, AC004765, AC005480, and Z98946.			
AW901261, AA251070, AW967582, AA663366, AU121481, BF903105, AC007883, AL356115, AC078847, AC009276, AL360078, AC016617, AL035663, AL109922, AL139090, AL121969, AC008085, AC009518, U85196, AF045450, AC006023, AC004707, AE000660, AC026439, AL138718, AF135487, AC004897, AL163280, AL031390, AL133247, AL162430,	368	1006943	1 - 500
HISEQ81			15 - 514

					Z33850, AX007980, AF121782, AC000064, AL122001, AC007566, AL355352, AP002026, AP000500, AB026898, AC007567, AC015983, AP001538, AC007043, AP001674, AL162912, AL391416, AL034410, AL360227, AL023581, AL031775, AC004381, AC007244, AC073504, AL353757, AC007164, AC024563, AC008626, AL022069, A60169, AC011550, AC023172, AL008629, AC012598, AC009946, AP001600, AP001697, AP001599, AX007993, AK022306, AC046130, AF064860, AC004020, AC011235, AX000958, A60173, AC007969, AL049870, A60168, AC019187, AL135818, AB024464, AB024472, AB024457, AB024458, AB024460, AB024479, AB024484, AB024488, AB024459, AB024469, AB024471, AB024478, AB024481, AB024462, AB024467, AB024463, AB024470, AB024473, AB024475, AB024474, AB024482, AB024476, and AB024465.
HODFH02	369	1006953	1 - 603	15 - 617	AW966385, AV700495, AW973541, AV718487, AV720729, AV720104, AV719632, AV719822, AV701335, AV701332, AV701248, AV701431, AV701043, AV701017, AV701357, AW966342, AV699866, AW975623, AW973470, AV720616, T06155, AV718427, AV699746, D88547, and AC003010.
HOCPP18	370	1007230	1 - 759	15 - 773	AI743840, BE877930, BF028625, AW968831, BG171528, BF244687, BF034731, BE738082, BF696564, BG249379, BE262610, AW610031, BF675618, AI168679, BF184298, AW582660, AW610024, AW610015, BF432167, AW582658, AW582645, AI368790, AW582649, AW404414, AA635047, AA977202, AA255745, AW609460, W74224, AI189196, W19875, AA423814, AW873607, AW674957, AA700205, N34074, AW673317, AI693774, BF207680, AA490434, AA811988, AA687682, H59322, AW675671, N25686, AA043487, BE738236, AA384027, AA970715, W03959, AA099633, N91486, AA844086, AW970706, H64607, AW361070, AA576387, AA527550, AI380149, BG180768, BF742317, AI149307, AI139270, BF334168, AA643654, BF965959, AI018593, AA513014, AA101966, BG180833, AI089738, AA419058, AI041791, AW139976, N73897, W74225, AW361045, H70242, AW024571, AA126714, AW271818, AII43332, H82629, AW958804, R26807, BE047049, AA987943, T85639, AI857573, AV687372, N22461, AW268579, AA090516, AW651630, AI244767, AA877283, BE041685, AA426291, BE765584, AA136056, AI819235, N56136, AI241275, T79549, N56398, R26004, AA889245, BG153704, AA641594, AA873098, AA757925, AW879744, AA043488, AK000666, AF150100, AL163279, AF152353, and AF150102.
HODFP91	371	1007941	1 - 1747	15 - 1761	BG253213, BF681335, BF372572, BF679493, AA420666, BF678593, BF327033, AI804263, AV704486, AI275402, N33388, W78024, AI083839, AI337610, T92186, T89120, N23972, BF371272, AA658363, BF370329, AI798226, AA253483, AI216498, AA234181, AI216502, R59949, AA253313, BG105540, N31873, AA225664, T89209, AW593695, AA662620, AA528445, AA513944, BF326921, AL042210, AA179786, AI669285, AW964036, AA352063, AI080345, R59948, AI344783, AA180503, BF891183, AW515141, AW997169, AA225610, BE940088, N98709, AA206457, BG003461, AR070464, and AL359561.

| H6EDU06 | 372 | 1007976 | 1 - 574 | 15 - 588 | AV706787, BE907476, BF026598, AW070517, AV721296, AA156834, AI553893, BE675928, AI288705, AI762669, AW273834, AW024561, AI312660, AII38250, BE672892, AA626719, AA594341, AW974501, AI219985, AW071929, AA828157, AI309908, AI057511, AI268592, AI286041, AI870386, BG222673, AW303596, AA156597, AA812762, AI039165, AI024129, AI089622, AA456739, AI924451, AA989383, AA482452, AI803068, AA417820, AA994692, AI051535, AI801913, AI672921, AI800826, AA494488, AA455184, AI025564, AA954675, AI807763, AW952786, AA862743, AA887974, T98015, AI240669, AA977347, AA972180, AI368505, W24116, AA933043, AI784667, AA934066, AW183454, AI868633, AA907741, AW663428, T86139, AW205935, T89455, AI245098, AA513366, AA515593, AA338859, AA813534, AA115080, BE672891, AI381801, F17301, C03097, AI659028, AA216001, Z42400, N91938, AI91385I, AA992249, Z19268, AA365163, AI420340, AI656368, AA648946, AI583724, AA992479, C03931, AA770117, BE185666, AA479458, AV702417, AW964409, AV729376, AW960655, AW954134, AV652001, AV651955, AW963027, AW951270, AV725153, AV706417, AW964585, AW953807, AV702789, AW949478, AW962386, AV709273, AV703790, AW964440, AV709092, AW950443, AW960601, AW952403, AW952183, AW959806, AV656903, AV661704, AV697196, AW952751, AW956075, AV645936, AV709587, AW955723, AV955900, AV656373, AV726010, AV650315, AV659389, AV697880, AV727613, AW955900, AV656373, AV726010, AV655280, AV660258, AV647789, AV708109, AW959521, AW956474, AV659294, AV727787, AV703146, AV686060, AV725745, AW951239, AV686064, AV660608, AV728148, AV659322, AV726156, AV654908, AV726590, AV656478, AV698545, AV709314, AV653353, AV708381, AV654070, AV660728, AV691080, AW951281, AV702385, AW949802, AV658275, AW955662, AV703669, AV707979, AV658751, AV727003, AV709580, AV725208, AV725582, AV708786, AW957517, AV659547, AW959543, AV727526, AV707155, AV703169, AV651920, AV725618, AW954439, AV727510, AV725633, AV707088, AV652156, AV728518, AV702266, AV725577, AV725033, AV706223, AV728924, AV725617, AW954206, AV727935, AV707863, AV725991, AV707304, AV696931, AW964421, AV726619, AW952410, AV703062, AV727822, AV699089, AV705135, AV701874, AW950888, AW962444, AV703501, AV702772, AW954237, AV701180, AW950258, AV707401, AV701183, AV709660, AV704585, AV709935, AV654035, AV707652, AV707654, AV728721, AV707663, AV683994, AV704042, AV654282, AV729220, AV709880, AV697288, AV698290, AV687035, AV706882, AV704847, AV694836, AV697498, AV702954, AV686420, AV694812, AV727238, AV682997, AV696866, AV727126, AV707656, AK026514, AF151894, AC004789, AX047063, AR050070, A62298, AF217994, Y08991, AX047062, A82595, A82593, Z30183, AX047064, U94592, S68736, AX009343, AX009341, AX009337, AX009335, AX009345, AX009342, AX009344, AX009340, AX009339, AX009336, |

Gene	SEQ	Clone			Accession Numbers
					AX009338, AX009334, A62300, AX040581, Y11505, AF006072, U45328, A91160, AR025466, AX046743, AI289208, and AI424481.
HPCRD26	373	1008013	1-1320	15-1334	AL522813, AL522021, AL515238, AL534210, AL527634, BE881394, BF967335, AL522812, BG168951, BE547168, BF683070, BE018646, BE251740, AL120106, AA156075, AW007510, AW772448, AL515237, AA557210, W81295, BE970056, BF967686, BF511071, AL535783, AW161414, AI905116, AA128693, N69846, Z43685, AW006138, AW274433, BE903335, AW594670, AI521862, AI905108, AW027481, BE302221, W17116, AI695301, AI300237, W93915, AA378300, AW793014, BG180670, AA866170, AA155990, AI655474, BF934862, AW084679, AW264238, BF765898, AI384123, AI357889, AA248880, AI367177, AI918724, AW304833, AI816910, AW264332, AA701939, AW303940, AI285409, AW166173, AW235873, N83196, AW890020, AI565254, F25724, AW384463, AW384462, AI204007, AW384518, AW384495, AA630995, AW384515, AW392814, BE672909, BE156493, R17296, AA055886, BF439599, AA249576, AA249786, AA772667, AI660862, BE567686, AW384559, AA630973, H77417, AA249786, BF763245, AI291050, AI278942, AA658504, W81238, N98875, AA503728, AI015881, AA261778, AC005915, I89946, and I89945.
HSIEH63	374	1008027	1-757	15-771	BF591295, AI223817, BF064033, AI432306, AI732756, AI732256, AI827789, AW270969, AI458391, BE826171, AI820678, BF062424, AI734150, AA487683, BE645984, BF002863, AI073913, AA487468, AI521059, AI906906, AI906910, AI905072, T94990, T94936, AW015443, BE075729, BF512129, AA708803, AI810047, AC004993, and AF106066.
HPASD51	375	1008071	1-819	15-833	AW753589, AW959236, BE742519, W32940, W15186, N73147, T82084, AA294934, AA211695, AI905700, BF032776, AA354566, AW837086, AA468796, and AC007655.
HCOQH27	376	1008154	1-2570	15-2584	AL536332, AL515984, AU125142, AA639765, AI281923, AU125056, AW953648, BE734342, BG167105, BE794775, BE729038, BG260021, AI372989, BE729258, AI720031, BE677682, AW088074, AW300735, BE789911, BF206718, BE408591, AI768419, AI768875, BG027265, AU135162, AA482024, AI745443, AA514479, BE046393, AA627864, AI928477, AA528026, BE391197, BE395201, AA846720, BE391155, BG166973, AW104771, BE741552, AW673933, AI017373, AL515985, AA527494, AI215852, AI871626, AW205622, AA045396, BE390376, BF111620, AW612025, AW291747, AW295357, AW087156, AA722864, AI694451, BE076330, AA574156, W07767, BG001290, AI613494, BE515246, AI630897, AW959218, AA866004, BE671294, BE778573, N21002, BE503277, AA436970, AA577399, BF087009, AA485992, AI609811, BE567267, AW594105, BE745288, AW614636, AA987612, AI373242, AA595033, AW602847, AA908276, AA442981, AI261446, AW271584, BE277529, BF224222, AI858763, AW577571, AW297117, AI914132, AI086874, AA946951, AI864703, BE675612, AI365469, AI089624, AA417570, AI205853, W76670, AW779982, AI797948, AW975076, AI801899, AI654944, AL134914, BE275008, AA045080, AA315298, H17040, BE731460, BF868517, AA281453, W80506, BE729487, C06206, AA458469, W72604, H85386, AI261797, BE348343, C05666, AV742478, AW951164, AI500450, BE774706, BE791627, BE796924,

					BF063082, AW873406, BF512937, AA985558, R24965, AA359349, AA181239, F07027, AI369560, BG167811, AI499976, T23579, BE274925, N80706, AI125182, R22308, AI867225, BF125894, BE733074, AI864702, AA351832, AA488619, R22307, AA211234, T15846, W78706, T29175, R59834, AA768369, BE730023, AI280541, H17039, AW451574, BE794619, R59725, AA337433, AI914281, BF685266, BE894029, R45226, N62790, AA209250, AA885364, BE870829, AW239502, R13676, AI193308, BE903685, BF508932, F05190, BE279232, F01005, R37773, Z40129, AA658001, BE048334, BE799216, AW470658, N66912, N78467, BE734815, BF205742, AW087771, AA639210, BG118949, F01440, BE866954, AW771236, AW771230, BF921987, BE294736, AA156669, AA417688, AW747945, BE739601, BE739356, AI968627, BF923421, N92948, BE763516, AA419422, AA918503, AA192355, AA156775, N85859, AI827610, AL119049, AI003244, BF185020, AA470136, N83767, AA928812, AA280765, L07758, AC007622, Z36805, Z36804, and AB049913.
HNTBU30	377	1008177	1 - 4084	15 - 4098	AU125982, AW953485, AU125447, AU124785, AW001101, BG110603, BF974285, AL040867, AL040866, BF725360, BE868091, BG104583, AW090092, BG121189, AW190132, AI355864, AW889900, BE378250, AL041116, BE548940, BE256037, BF941323, BF034153, BE547709, AU132530, BG106299, AI651097, AI359516, AW080364, AW383973, AL524978, AW362784, AW753817, AI148869, AI393562, AW675581, AA456283, AU149111, AU132763, AU154232, AU149535, AL046765, AU154467, AA400563, AA706610, AW004969, AW836789, AW836786, AA454671, AW373589, AU154038, AI797535, AI367629, AA400150, AA313215, AI018014, AI288449, D53070, AU148577, AA535371, AW836788, BE813630, AW363230, AA029231, AA029232, AW026702, BF887882, AA453842, AA649925, BF887870, AW605323, AA400176, AI094511, AL040652, BE855545, AW937579, AI421670, AI423472, BF753305, AA233312, BF357897, T09488, BE873172, AA683594, AW628747, BF848580, AI371901, R18421, D53589, AA400392, AA586607, AI453237, BF590559, AA227274, D53194, AW999617, D52887, AA514956, D53211, AA233313, AI905503, AA227283, BE070741, AI683301, T23587, T77686, H91031, BF081251, AI916759, AA322214, BE070726, AA453758, C00385, BE694440, BE938121, D53071, D53128, Z25342, BF081249, AI911435, D53754, AI378143, H90918, AI911691, AI272899, H88808, AW754123, AA916908, AI200242, BE070582, AI270551, H89032, AI424142, BF332451, AW580296, AI955188, AW295174, T09487, AW072241, R42483, R38392, BF842266, AA249047, D53193, AW602313, AW857035, D53127, D53210, AW611973, D53588, BF357733, AI910768, BE858745, BF194823, AI905504, AA005312, BF378122, BF820885, AI307564, AI818299, BE814287, BE814349, BF334589, BE814606, BF378140, AW512399, AW364841, BE825640, AW512554, AB002366, AK024705, AK025689, AK027063, and AF052139.
HCOPZ14	378	1008179	1 - 1070	15 - 1084	AW934723, H37994, AI498824, H92316, AA426342, AA702719, AI128833, AA994942, BF593832, AA932972, AA808375, AA946572, AA369769, AA594909, AA806051, H20466,

				AA455129, AI038522, AA399424, BF732814, AI750639, AI719681, N70839, AA765044, AV707407, AI202858, AA085234, AI291963, AI358650, AA286924, AA609354, N78974, AA485738, AA887225, AA937034, AI291963, AI358650, AA284500, AA470747, AA102025, AI200177, AA769215, AA069853, AI291962, AI355182, AA482551, AA150302, AA490902, N20002, W81002, AI348340, BF979406, AI991199, AW296379, AA953934, N66142, AI191463, AI091265, AI371135, AI497938, AA524858, AI190177, AI091395, AI369827, AII41079, AI499037, AI356047, AI245438, AA700953, AI215137, BF058683, AA534625, AA888067, BE384414, BE280080, AA977561, BE395088, AW182892, AI818273, AW170631, BE254785, BE644851, BF685938, BE251950, BE261985, BE388733, AA632013, BE256819, AI422715, BE677814, AA746219, BE251392, BE302736, BE385718, BE740269, AW269677, AA541648, BE390173, BE408650, W73756, BE393101, BE251423, BE383310, BE382411, BE389013, AI273757, BE797131, AV708799, AI971642, BF206855, BE382779, BE252023, BE396544, AI184848, BE795216, BE780558, BE796620, BG031384, BE884878, BF976255, BE868760, BE313098, BF314656, BF683258, BF976598, BE378757, AW614698, AI554292, BE740546, BF976646, BF972949, BF686137, AA781589, AI368186, AI564228, AI095638, AI332799, AI798016, AI199216, AW149437, AW001581, N20116, W61335, H20252, BE266824, BE646365, BE562800, AW007486, W72497, H17288, BE615633, BE304606, AW246242, BE388748, AA761304, AA737008, AII94041, BE261059, BF338282, AI312662, AI803513, AW976118, BE796733, BE902371, AW963960, AV726513, AI024140, BE293668, T35722, BE313868, BF026881, BE260064, BE395798, BF182820, BF237887, BE777884, BE897802, BG027417, BE614922, BF207295, BF310788, BF684394, BE795449, BE280417, BE781789, BF683849, BE272073, AA490865, AA627990, H20471, AW173790, BE249955, BF316969, AA854240, W94233, AW800916, BE253470, AA191107, BE251089, N32846, H99084, BF819511, T52641, AA989636, AI371466, BE833266, BE255312, BF663674, AI074104, BE255154, AA287161, BE832928, AA128033, H56620, N27167, AA927061, BE877626, W58692, BE926335, BE544664, R54752, AII83902, AA302461, AII46843, BF760392, AA464316, U66895, L76200, and AII042.
HODEC78	379	1008299	1 - 1457	15 - 1471	AA287686, AA207154, AU154168, AA179206, BF959881, AI640238, AU132680, BF194738, BF940404, AW135518, BE742576, AI192959, AI694946, AI523667, AW204593, AW002521, AI356297, AI361894, AI914362, AI300563, AI952850, AI361750, AI768922, AI582698, AI356535, BE772693, BF061364, BE552169, AW013899, H83373, AA018189, BE276307, AW960051, AA749310, BF433855, AA366409, AA769579, H87151, H87035, AI868789, AA464267, AA249429, AI816088, AA471320, BE256470, AW367751, AW391782, BF931655, AI580257, AA101455, BF961680, BE745650, AA973114, U90028, and U90029.
HODEF29	380	1008304	1 - 413	15 - 427	AW949656, AW949631, AW949643, AW949618, AW949655, D80022, D80212, C14389, AW975618, D80166, D81030, D59619, D80210, D80240, AV720211, AW975605, AW966013, AW960454, C14331, D80219, D51423, AV718844, AW966531, AV723927,

D80195, AV699550, AW966075, AW966053, AW966065, AW960553, AV718707, AV719822,
AV720878, AV718692, AW978634, AV719324, AW949653, AW973488, AA305409,
AW959799, D59859, AW975621, AW973334, AW966029, AV718938, AV718633,
AW973474, AW975613, D59502, AW978661, D51799, AW960465, D80253, D80045,
AV718489, AW973307, AW966534, AV718931, AV719557, AV720731, AW959202,
AV699447, AW958993, AV722801, AW959136, D58283, AW966022, C15076, AW956397,
AW962245, AW973482, D80188, AW966041, AW965163, D80391, D80164, AW973541,
AW966054, AW978648, AW966050, D59787, AV719783, D59467, AV719468, AV718800,
AW965185, AW965197, D59275, AW965196, AW965184, AV720791, AV720464, AV718770,
AW973330, AV720203, AW964756, AV719188, D80043, D80193, D80227, C14429,
AW966062, AV718440, AV724520, AV720028, AW959597, AW959628, D57483, AW960473,
AW965177, AW959570, AW949654, AW973485, AW965175, AW960564, AW958992,
AW959062, AW964477, AW956434, AW964488, AW949641, AW962082, AV699927,
D80366, D59927, D80196, AW966059, D59889, AW973447, AV699746, D80024, AV700889,
AW964737, AW959582, D59610, AW949629, AW949645, AW949657, AW966043, D80269,
D80038, D50979, D50995, AW949646, AW949658, D51060, AV721386, AW965158,
AW949633, AW723097, AV701004, D80378, D80241, AW966023, AW753053, AV720812,
C14014, AV723097, AW949630, AW959469, AW966030, AW960504, AW960532,
AW975623, T03269, AW966032, AW752082, AV718530, C75259, AW960570, AV719049,
D51022, AW178893, AV700229, AV720533, AV699682, AW179328, AV699669, AV720654,
AW965176, AW177440, AV744690, AW960474, AV742001, AV742667, AV701125,
AV701335, AV701166, AV742430, AV701149, AA305578, AV701043, AV701332,
AV701017, AV701248, D80134, AV742048, AV701431, AV699866, AW964468, D80248,
AV720150, AW973490, AW966386, AV645389, AV645344, AW964532, AW966397, D81026,
D80949, AV701130, AW973465, AV701419, AW378532, AW964766, AV701154, AV701422,
AW962395, AV719628, AV681510, D80251, AV681491, AV699652, AW178775, AA514186,
AV720616, AW966049, D51250, AW951169, AW949620, D80133, AW369651, AV700159,
AV701443, D80064, D80268, AV720755, AV699479, AA514188, AW966560, AW966368,
C14298, AW753041, AV645343, F13647, AV742022, AW178762, AV701357, AR018138,
A62298, AX033851, AR070327, A84916, A62300, AX027925, AJ132110, AX047063,
AX047064, A67220, AX021518, D26022, X67155, AX035434, A25909, Y17188, AR008278,
D89785, AX020191, A78862, D34614, AJ302649, AX020190, AF058696, AB028859,
AR077702, AX047062, D88547, AX028130, AR092424, AR087649, X82626, AJ294956,
Y12724, AR025207, A82595, A94995, AF260572, AR060385, AB002449, AR008443,
AR074545, AB012117, AX015396, X68127, I50126, I50132, I50128, I50133, AJ287395,
A85396, AR074141, AR060138, AR066482, A44171, AR088705, AX042372, AR066488,
AR016514, A85477, I19525, A86792, A45456, A26615, AR052274, AR074139, A43192,

				A43190, AR038669, I14842, X93549, I18367, AR066490, Y09669, AR066487, AR074136, A30438, AR054175, AR008277, AR008281, D50010, Y17187, D88507, A63261, AR008408, AR062872, AR091537, A70867, AR093385, AR016691, AR016690, U46128, A64136, A68321, AF135125, D13509, AR060133, I79511, AX035429, AX035428, AX035426, AX014811, U87247, X72378, AR032065, U79457, AF123263, AB033111, AJ000347, X93535, and AR008382.
HODFB71	381	1008307	1 - 2721	15 - 2735	AU120186, AV685205, BE745578, AW341085, AI813997, AW075717, BE879613, AW867043, AU128403, AI890853, W95819, AV699386, BE871865, AW207613, BF753636, BE841070, BG153422, AW842415, AI860247, AW009804, AW965308, BE263478, BE350007, AV650178, AW855840, BE645948, BF244293, AW387603, AW387588, AW387570, AW593809, AI813990, AW387594, AI123331, AI814498, BF930287, W95812, AI027130, BG058688, AW297937, BF439051, AW953145, AW581872, AW387567, BE897145, BE894405, AW387565, AA683545, AA514682, AI912084, BE707577, AA284269, BE892060, N25435, AW387551, BF224192, AI801414, AI333144, AW387589, W93061, AI792762, BF897938, AI921027, N39823, AI700761, AI630416, AW613975, AW387543, W52833, BF346511, BF446460, BF433036, AU146326, BF806592, BF436925, AW194002, AA416940, AI539420, AA609176, AI803042, AI688409, N36974, AI095658, AA625154, AA454670, AI015532, AA532391, AI801045, AW304056, AI078810, AW515831, AA313278, AI143830, BF434547, AW073517, AA164477, AW300683, AW387511, AI246195, AI126120, BF194737, AI204238, AI224979, AI363320, AI934406, AI828474, W32859, AW191965, AI452492, AA326596, AW387659, BF887732, AI420557, BE698600, AW512903, AA256049, BF849038, AW806880, AW235154, BE874184, W77847, AI400008, BE841041, BE467240, AI830985, AI819550, AA609278, AV688552, AI340483, BE937015, AA773239, N20374, AA047705, AI273578, AI090700, BF957505, W32413, N39416, AV699803, AI224389, AI439451, AI225075, AI312377, AV706867, AW609073, AI624708, AW444879, AA705899, AA169495, AA235411, AA418233, AU1577570, AI076652, AW504319, AI433744, AI159961, BF241608, BE167847, AW841184, AI383240, AI935502, AI435339, D80852, BE047423, AW963146, AA918609, BE843310, AW820003, AV683152, W60585, AI630381, AA662503, AA164478, T33091, BF085221, BE004440, AW366124, BE160282, AI131034, AI675203, AW841228, AW021700, AA626105, AA470040, AI815749, AW581865, AI263359, BF850458, BF591953, AA994256, Z43339, N26670, AA541443, AI475319, AW609556, AI244156, BF849414, N92397, AI267587, W01875, AA886220, W24664, AW237704, AI254748, AA628384, AW020806, AA707127, AV656105, BF924070, W24714, AI040523, AA169701, AW163817, AW576279, BF849416, AI225071, N69026, BF922788, AV686309, AW866508, Z46156, BE768257, BF801569, BE710784, R43868, BF842346, AA854079, AI656170, AA324005, AA229840, T95094, AA324001, BF842366, AA047672, Z39414, BE082315, AI167468, AI300698, AA320833, AA994140, AW382298, N39669, W72123, AI183682, AI678525,

W32366, BE185753, AI219794, N73469, BF849412, AK027008, AB014579, AF036144, AX017499, AK002091, AF086223, AC007383, AC004383, Z82206, Z49258, AC004878, AL136979, AL138976, AL035458, AP001746, AL035587, AC004883, AP001731, AF243527, U62317, AL354776, AC005048, AC026431, AL078602, AL022165, AC023880, AC006013, AC011442, AC006115, AL121952, AC009087, AL445220, AC016652, AL136137, AC009079, AC010605, AP000247, AC006112, AL391122, AC012315, AC012502, AF001552, AC004971, AC004686, AC006501, AL139099, AP000697, AL049557, AC004797, AL034417, AC024171, AL009179, AC011484, AL357497, AL138688, R35803, R44829, H05274, H77481, H83346, N26596, N48529, N79995, W00596, W02568, W63668, W93184, AA055246, AA081682, AA082034, AA128183, AA256136, AA226425, AA244431, AA244462, AA507428, AA730630, AA809582, AA886139, W23751, AA190199, AA190212, AA585333, AA599548, AA644242, AA644698, AA670125, AA719583, AA774902, AA778255, AA835470, AA861659, AA868203, AA889911, AA890432, AA934111, D20599, F05036, F05705, AI268618, AI363777, AI568071, AI143373, AII46963, AI184408, AI267668, AI537649, AI349389, AI350710, AI352039, AI678500, AI701822, AI824592, AW090449, and AW129172.				
AW872474, AV723927, AV720211, AW966013, AW966053, D81030, AW975618, AW959597, C15076, AW975621, AW949642, C14389, D80212, D80164, AV719468, D80022, AW978648, AW949656, AV718692, D59502, D59927, AW978634, AW966050, D80195, AW960465, D80045, AW949631, AW949643, AW949618, AW966054, D59467, AV719783, AW966534, AW966065, AV720464, AV718800, D80253, AV718707, D80166, AW966531, AV724520, D80391, AW949654, D80193, AV718844, AW966041, D59619, AW959570, D80210, D80240, AW965185, AW966029, AW965197, D80043, AW966022, D59275, AW966075, D51060, AV720791, AV719188, AW966029, D59787, D80196, D80227, AW966062, D58283, AW949641, AV699927, D80038, AW959799, AW958992, D80366, AW973334, D59859, AV719822, D80219, AW960553, AW965175, D51423, AV719324, AW959062, AW964477, AW978661, D51799, AW949646, AV718489, AV720203, AV718770, AW973307, AW959202, AV718440, AV720028, AV718633, AW959628, AW965177, AW975605, AW949658, AW973485, AW965184, D80269, AW973541, AV718931, AV719557, AV720731, AW959582, AV699447, C14331, AV722801, AW973474, AV699550, AW964488, AW965163, AW973488, D50979, AW964756, D80188, AV718938, D80024, AW949655, AW960454, AW973482, AW958993, AW959136, AW956434, AW962082, AW949653, D57483, AW965158, AW966043, AW962245, AW965196, AV718530, D50995, AW949630, AW975613, AV723097, AW964737, D59889, AW960473, AA305409, AV720878, AW960564, D80378, D59610, AV720812, AW949629, AW949645, AW949633, AW949632, AW753053, AW949657, AW973330, AW973447, AW956397, AV721386, AW966059, AV700229, AW960532, C14429, AW966023, AV699746, AW959469, AV720150, D80241, AW960570,				
			15 - 552	
			1 - 538	
		100831 4		
HODEF78	382			

					AV700889, AW960504, AV699669, AW752082, AV701004, AW966032, AV720654, AW966030, AV699682, T03269, AW975623, AW178893, C75259, C14014, AV719049, AV742001, AV742667, D51022, AV701125, AV701335, AV701166, AV742430, AV701043, AV701332, AV701017, AV701248, AV742048, AW179328, AV701431, AW965176, AV744690, AA305578, AV701149, D81026, AW177440, AV719913, AW378532, AV681510, AV681491, AV720533, D80268, AW966049, AV720755, AW960474, AW973465, AW964532, AV701130, AV701419, AV701357, D59695, AV701154, AV701422, D80134, AV719628, AV645389, AV645344, D80251, AW964766, AV700159, AW377671, AW178775, AV701443, D52291, AW951169, AW966560, AV699479, AW369651, AV645343, AW960414, AW964468, AV719727, AW962395, AV720607, D80522, D51250, F13647, AV742022, D80168, AV699866, AV700622, AW352158, AA514188, AV719000, AV681529, AV681468, D80949, AC003982, AR070327, A84916, AX027925, AJ132110, A62300, A62298, AX033851, AX047063, AX047064, AR018138, AX021518, X67155, Y17188, D26022, AX035434, A25909, A67220, AF058696, AX020191, D89785, A78862, D34614, AJ302649, AX020190, AB028859, AX047062, AR008278, AR077702, D88547, AR092424, AX028130, AR087649, X82626, AR025207, Y12724, AJ294956, AF260572, A82595, AB012117, AR060385, AB002449, AR074545, AX015396, A94995, X68127, AR016808, AR008443, AJ287395, A85396, AR074141, AR066482, A44171, AR088705, AX042372, A85477, I19525, A86792, I50126, I50132, I50128, I50133, X93549, AR066488, AR016514, AR060138, A45456, A26615, AR052274, I14842, AR074139, AR066490, Y09669, A43192, A43190, AR038669, AR066487, AR074136, A30438, I18367, D88507, AR054175, D50010, Y17187, A63261, AF135125, AR008277, AR008281, AR008408, AR091537, AR062872, A70867, AR093385, AX035429, AX035428, AX035426, AR016691, AR016690, U46128, D13509, I79511, A64136, A68321, AR060133, AB033111, U87247, AR087528, AR064240, AB037923, AX014811, U79457, AF123263, AR032065, X72378, X93535, and AR008382.
HODEL83	383	100832 4	1 - 520	15 - 534	AL138813, and AC004915.
HHPSH76	384	100832 5	1 - 1578	15 - 1592	AI971626, BF940710, AI870763, BF447174, BE676274, AI582352, AI431882, AI161166, AI971645, AV693733, BF000296, BF594148, AI222731, AA937784, AI299178, AI394300, AI439546, AI362722, AI345977, AW072003, AW028669, AA632194, AW205947, BF057452, AW206327, AA972757, AA587064, BE712791, N90856, AI350107, AI298077, BF058455, AW134661, AA825270, N90867, AW028686, AW079385, AI147124, AA460705, BE551298, BF736655, AA746018, BF732395, W16558, AW007772, W16555, AI161086, AI149235, AW340546, AW204428, AI161084, AA988853, AI762633, AA904256, BE715859, AI368507, AI025216, AW137922, AA808302, AA808603, BE715826, BE670470, H86812, AA639423, H86876, AI700294, AA887551, BF063604, T55756, BE671028, AA853813, BF115406, AW300426, AA858288, AA878930, BF590909, AA853812, AA639424, BF967749, AC006230,

HBGBE52	385	1008326	1 - 769	15 - 783	AF019386, AF019385, AF177430, and AJ388534.
HBQAB30	386	1008327	1 - 779	15 - 793	BE002704, BE065136, AW152446, AV734696, T62861, AA584449, AW370854, AW295305, AI539492, AI093863, T62711, AA663693, AA808792, AW371354, BE138955, AI343194, AI251970, M18740, M25718, and U13369.
HLHCB31	387	1008332	1 - 2032	15 - 2046	AU121386, BG024628, AL523997, BF794753, AU137819, BG177391, BG176653, BG259088, BG106999, BG107310, BE265326, BF305474, BF347603, BF796967, BE018909, BE018889, BF797739, BE167696, BF981741, AL039474, BF350360, BE244700, BF869380, AA651690, BF183251, BE778225, BE740869, BE271603, AW474216, D58450, AU124160, AW361236, AW466946, BG107057, BF772633, W27829, AU076945, W26115, BF759430, AW664187, AA570434, BF675704, L12579, M74099, U68542, L43505, AB041595, AC005103, AF047825, AC005086, AF004225, X75013, AC006457, AC002978, and U25750.
					BG250587, AV734294, AW949920, AU125757, BF529108, AW952796, AA443300, BE673024, AI335961, AA738061, AA443433, BE938159, AW513187, AI860346, AW009354, BE294816, AU149357, AW058419, BE042809, BG150358, W40461, N95557, AA418263, AA418366, AII83756, BF983116, N52313, AA620306, AA884462, AI001006, D63258, BE274198, AI400765, N93959, BF886486, AW262034, AW183978, BF765839, AU138365, BE870250, AW183285, N75083, AA377749, AW235381, AI280350, R49967, AI393230, AA249125, BF509213, BF886848, BF887480, AI658872, AI869768, R88859, BF223596, R47440, R47819, BE296217, BF755474, BE707786, AA448501, W24950, AI701222, BF912737, BF757860, H21363, C18194, BF515599, BE168666, N87076, AA339171, D30872, AA091617, AA704660, BF692008, AW138128, A46722, D85510, D86331, E16655, and AF144759.
HPFDV51	388	1008335	1 - 917	15 - 931	BF508974, AW965115, AI630839, AI741643, AW072035, AW268897, AV723999, D62666, AW072761, AI016072, BF512461, AA344181, C16744, D62943, BF437674, AA344606, AA905880, D62570, AW965114, W60522, F05944, AI915081, AA307598, AV754716, AL042630, AA689351, BF448904, AA429481, AW392414, AII24706, BF883138, AA603400, AW732205, BF769787, AA610381, AL137946, AI471455, AA550959, AW502873, F36200, BF766147, AA132912, AV728369, AI687343, BF742657, H86221, N91711, AI624379, AI282629, AA642809, AV764406, AA828153, AA946848, AA084230, AA578832, T93109, AA228778, AA524800, AI356440, BE868437, AW949694, BG026818, BG026893, C14480, AA508036, AI754037, AA525293, AI568659, AA610826, AI185394, AV743799, AA362349, AI918419, AV734149, AA678950, AA135761, W39287, AU150583, AA654778, T05354, AA385775, AA484892, AA935291, AA468923, BF737749, AA828442, BF853968, AI537800, AI049701, T06828, AW515219, AA666215, AV729669, BE676915, AA483731, AW511778, AA525331, AV764259, AA728861, F26072, AA445951, AW850230, BF913900, AA483034, AW151247, BE143664, AA533054, AW979295, AA371410, N71619, AA483483, AA832016, AA831801, AV762430, AI246996, AA364082, AA598663, AW468349, AA805960,

AW504168, AA708352, AI223968, D51877, T61545, T40799, AW407632, AW500684,
AI249688, AV703572, BE077105, AA018923, R93882, AA610255, AA814522, AW264548,
AI355986, AI932871, N63149, BG056992, AI249365, AA788592, AW862050, BF434331,
AA135988, AA262464, AW963473, D51809, AA601212, AA135811, T56727, N63897,
R34070, AA862312, AI003988, AA662590, AA862029, AL537797, AA481887, AA598545,
AA599080, AA737358, AW971320, AA527954, AI445373, AI358712, AA470567, AA953926,
F32248, T03576, AA554319, AA515138, AA029762, T48856, AA516320, M78032, AI032490,
AI350475, T07903, AU154166, BF876261, AA493808, AV759971, AA650447, BE889692,
N84161, AV760915, AB002345, AL031847, AC006483, AL158064, AP001442, AL163249,
AC008403, AC007597, AC009032, AP000352, AL031685, AP000141, AC005516, AC005180,
AC005017, AC007683, M87889, AF119908, L11910, AL109952, AC005156, AC006050,
AL133453, AC000025, Z97876, AL021977, D87675, AC005585, AC004832, AL022476,
AL121747, AC004675, AJ251973, AL035460, AP000555, AC005052, AC006001, AC002430,
AC011495, AF088219, AC004802, AC004965, AC009336, AF205210, AL049629, AP001631,
AL035461, AC007384, AC009477, AL135744, AC005731, AL138787, AL137716, AL049759,
AC074338, Y10196, AC004973, AL121973, AC005695, AC008267, AC019014, AC009501, AC005940,
AC004826, AC008474, AC005695, AC121928, AL109925, AC003957, AC005098, AF111168,
AC004656, I34294, AP000343, AL121928, AL109925, AC003957, AC005098, AF111168,
AL080243, AL121601, AC004686, AL137067, AL033526, U47924, AL354720, AL049870,
Z49154, AC004671, AP001748, AC007880, AC083874, L78810, AL022323, AC005510, AC009516,
U91318, AL157915, AC007880, AC083874, L78810, AL022323, AC005510, AC009516,
AC004449, AL356115, AL133243, AC007279, AJ295844, AP000088, AC008762, AC005837,
AP000493, AL031728, AI003147, AL034423, AC011497, AC008736, AL133264, AC004241,
AC025263, X90927, AP001630, X90926, AC000052, AL034553, U12387, M33388,
AC000041, AC002357, X58467, X58468, AC010271, U30518, AL121871, AL023807,
AL008721, AL357150, AL009181, AL137802, AC008443, AC008395, Z98048, AC003077,
AL031281, U14694, AF052684, AF003626, AL033392, AC008626, Z98048, AC004999,
AC008033, AC005484, Z93017, AC006088, AL031295, AC005231, AL022238, AL355305,
AC005274, AC007371, AC011494, AC004906, AC006160, AC005500, AL023553, AL139185,
AL031733, AC004019, AC004991, AF064480, Z99291, AC002997, AL138759, AC000038,
AL050341, AC007842, AL035455, AC002563, AL049588, AC008753, AC004166, AL035457,
AL163279, AC015651, AL118520, AL049776, AL021407, AC006141, AC004821, AC018751,
AL096701, AL137800, AF278704, AC004125, AC011452, AC011477, AL109897, AL353812,
Z84466, AF023268, AL031311, AC005328, AL162573, AL031772, AC000084, AC004969,
AL008718, AL121712, AC004033, AP000348, Z95113, AC004997, AL034430, AC008616,
AC005520, AC006390, AP001725, AC010422, AL021808, AL021808, AP001717, AL109758,
AL158812, AL034380, AC034186, AC040171, AP000349, AX039602, AP000272, AC083863,

SEQ ID NO	Clone	Internal ID	Range	Range	Accessions
					AC021752, AC005342, AC006561, AC011469, AC007639, AL022240, U78027, AC005741, Z81314, AC006146, AL391839, U48471, AC005081, AL136369, AC005911, and AC004968.
389	HTEDY04	1008336	1 - 1291	15 - 1305	AI927477, BE670723, AI948965, BE466314, AA987287, AI095479, AW957242, AI199425, AI128097, AA448092, AW972332, BF434529, AA447554, BE045361, AI369302, AI361389, AI923806, AA435678, AW972328, AI660309, AI080255, AA054012, N70603, AA837761, AA448073, AW339432, N55490, AA393640, AI863621, W04922, AA447593, N69823, BF361414, N76977, AA057377, AI216708, AA448537, AW243130, AA036760, BE084121, AI675513, AI350467, AW016860, AI265822, H22783, AA508054, R14614, AA383086, BF361412, H80683, T64743, AA379733, AI038561, AA370797, H41174, AA370796, H80646, AA746313, BE791070, BG012707, AI268695, AF006386, and AL034379.
390	HODEG13	1008337	1 - 516	15 - 530	AA861406, BE160342, AA654837, BF814002, AW877546, AA244041, AW157413, AU143973, BE061421, Z93403, Z92545, AC005326, AC004552, AL360078, AL021406, AL049781, AL136442, AP000515, AL133500, AC006313, AL355272, AL121776, AC005993, AL117340, AL109800, AK021450, AL109853, AC008873, AP001724, AC087085, Z93928, AC016623, AJ229041, AL133514, AC004388, AL049646, AL136981, AL157931, AF036938, AL121997, AL008629, AC007068, Z73986, AC010198, AL353573, AL121950, AC009241, AC004949, AL008639, AC006461, AC005538, AL096867, AC006157, AL354685, AL136133, AL023883, AL033375, AL360157, AC009430, AC005018, AC003670, AC026398, AL160237, AL158141, AL137118, AC006257, AC008127, AC008083, AC008279, AC009308, AL135960, AJ131016, AC007282, AC004554, AL035423, AC004055, AC004911, AL391684, AL035454, AL121841, Z85987, AL158064, AC016607, AC004982, AC020603, AL391666, AL163280, AL391644, AC073572, AC011890, AL359641, AL353582, AL031054, AF002223, AC022274, AL033521, AL132773, AC004052, AC008818, and AC073325.
391	HHPFK16	1008345	1 - 461	15 - 475	AA306966, AV650072, AV650129, AV651901, AW248211, BE251055, BG257405, BG142261, BF796726, BE252748, BF970072, BE253394, AA587676, AV727695, BE566483, BF979560, N31759, AV689371, BF979663, BF530154, AA379229, AW963917, W32392, BF185241, BE618517, AL523961, BF681293, AV750140, BE748280, AI092258, BE783649, AA281646, BE164637, BE781790, AA523844, AA333474, AL524527, AI733910, H00017, R47258, BE972575, R47244, AA375463, AW304314, AW801668, AL524526, H00071, BF988262, BF683074, BF182646, AA664453, BE842637, BF185407, AI419252, BE388376, AI698340, BE857220, BE673426, AA367629, N80921, AA026486, BE551157, C02600, BE743952, BF694306, AC011477, AC007204, M61870, AC010329, M61866, AC011482, AC008554, AC010636, AF070651, AC008739, U35376, AC024563, AC073539, AF038951, AC003973, M61873, AC078899, AB040906, AC006539, AC008463, AC011494, U37092, AF242519, and U37098.
392	HARAL81	1008349	1 - 809	15 - 823	AA777763, AI888037, AW954039, AI499427, AI569758, AA573906, AW305026, BF060656, AW778946, BE466396, AW511528, AW069026, AW953867, AW516094, AA526290,

					BE350929, AI458494, AI348375, AW778861, AW515242, AI167773, AI167778, AI340014, AW591035, R27343, AI743913, AA417618, AI445272, AI017672, AA846130, AI031742, AI130967, AW083699, AW514640, BF435521, AA317786, AI537097, AW166621, AW474028, AA148403, AI051164, AA532636, AW628654, T16495, AI918078, T35136, T99542, C13971, AI203032, R27194, W32467, AA769735, AI923246, AA417617, H85078, AW627632, R05681, H85068, R27344, R27232, H98786, N28328, W56232, BF343776, AA548433, AW471025, AA369382, AA890684, BF439088, AW975621, R05680, W19830, BE866605, AW973541, AA725383, AV742022, AV699746, AV719822, AW966385, AV700495, AV738928, AV699652, AV701043, AV701431, AV701335, AV701332, AV701248, AV701357, AV701017, AC009314, AF228703, AL031005, AC004166, AC006057, AC004867, AC011811, and AL352979.
HFTAU42	393	100835 0	1 - 1705	15 - 1719	F11519, F09180, AW275719, T39173, BE146711, AI064864, AL041706, BG059523, AW958945, AI090377, BE146744, AI446464, AW327624, R23873, BF918590, AA456937, AA831426, AW575605, AV755070, AA838140, AI811460, AU152317, AV762050, AA857486, AV760466, AC005004, AL080243, AL096701, AL135798, AC005730, AL353804, AC008733, AC002449, AC012155, AC005288, AP001717, AL021407, AC008928, AC004552, AP000045, AC007279, AL121899, Z83822, AC005324, AC008277, AC012442, AP000113, AP000300, AC010269, AC004890, AC004955, AC010609, AC009311, AC084732, Z85999, AC005065, AL050348, AC004856, AC006345, AC013734, AL121578, AL023283, AL078601, AC007546, Z84719, AP000359, AL136984, AL121886, AC011442, AF207550, AL157384, AC007365, Z84469, AL133453, AL163248, AL158830, U63630, AC006077, AC004762, AL035427, AC010289, AL035681, AC006285, AL157878, AC007850, AP001346, AC009179, AC011479, AL136094, AL034379, AC004987, AL357519, AL121905, AP000556, AL031228, AC022078, AC007956, AL049795, AC005102, AC002395, AL353701, AC016025, AC005081, AL034429, Z68226, AL138836, AL133163, AC008134, AP000255, AL022476, AC004963, Z69705, AK024182, AL450224, AC073148, AC009116, AL109804, AC007679, AP001670, AP000555, AL133174, AC004754, AL121928, AC023490, AC025593, AC007845, AL450226, AP000557, AJ400877, AC008102, AF165926, AC006141, AP000135, AC005539, AP000031, AP001666, AF134726, AL137039, AC005037, AL021391, AC018719, AL136980, AC007954, AC004859, AC020906, AL049758, AC008770, AC058791, AC006120, AC073898, AC006064, AC006483, AF001552, AP000502, AC006561, AL136300, AF045555, AP001712, AL035249, AC005522, AJ295844, AC006994, AC007686, AC006273, AC006557, AC005599, AP000105, AP001714, AC003663, and AC005971.
HETDA81	394	100835 8	1 - 363	15 - 377	AA164850, AI347829, AA164851, AI539038, W87820, T91042, AW103512, AI208103, AI538025, AW959576, BF513984, AI886882, AI827139, AW571976, BE565889, AI557283, AI565180, AI673742, AA827331, AA164745, AW665930, AI862333, BE971469, T83877, AI590154, AW966053, AW975618, AW959628, AW966531, AW978634, AW966534, C14331,

D80043, D58283, AW966013, D59787, AW966041, D80166, D80195, AW975621, D51423, D59619, AW978661, D80210, D51799, D80391, AW960553, D80240, D80253, AV719822, AV720791, AW966054, AV718489, AV720203, AV718692, AW966050, AV719188, AW973307, D80227, AW959469, AW966062, AV719324, AV718440, AV719783, AV720028, AW959597, AW965177, D57483, AW959570, AV718800, AV720211, AV718844, AV720464, AV719557, AV718770, AV720731, AV699447, AV722801, AV723927, D59859, AV724520, AV699550, AW964488, AW949641, AW949656, AV699927, AW949642, C14429, AW959202, D80212, D80196, D80188, AW960465, D80219, D59927, D59502, AV718633, AW975605, D80269, AW965158, D80038, D80022, D59275, D81030, D59889, AW959799, D80193, AV742001, AV719468, AW949632, D59610, AW949629, AW949653, AW949645, AW949646, AW949633, AW949654, AW949658, AW973485, AW949631, AW949643, AW949618, AW949657, AW949655, AV718931, AV720654, T03269, D80024, D80164, D80366, AW965163, AV720812, AV721386, AW966029, AW966043, AW973334, AW966022, D50979, AV723097, D50995, AW973447, AW966029, AW978648, D80241, AW959582, D80378, AW973541, D80045, AV700889, AV742667, AV701125, AV701335, AW964756, AV701166, AV742430, AV701043, AV701332, AV701017, AV701248, AW958992, AV742048, AV718938, AV701431, AW958993, AW178893, AW959136, AW959062, AW964477, AW956434, AV718707, AW966065, AW752082, AW965197, C15076, D59467, AW964737, C14389, AW753053, AW973474, AV701004, AW962245, AV701419, AV701154, C14014, C75259, AW956397, AW965185, AW965184, AW966082, AV701443, AW966075, AW966560, AW973488, AW965175, AW973482, AV700229, AW965176, AV699669, AA305409, D51250, AV701130, AV701149, AV701422, AW966023, AW960504, AW960564, AW975613, AW973330, D80134, AW960473, AW965196, AV720878, AW960570, AV718530, D81026, AV719049, D51060, AV699682, AW964532, AW975623, AV719628, AV645389, AV681510, AV681491, AV645344, AV699479, AV699746, AV701428, AV701415, AV701344, AW973465, AW966059, AW973470, AV645343, AV681529, F13647, D80268, AC006047, AP000509, D84394, AC009542, AC083862, AC009330, AL158167, AL080317, AC010877, AP001629, AP001748, AL357654, AL122001, AC008554, Z98750, AC010598, A62300, A62298, A84916, AX047063, AX047064, AX027925, AJ132110, AX033851, AR070327, AX021518, X67155, AJ302649, AX020191, A67220, D89785, A78862, AX020190, D26022, AR018138, AX035434, A25909, Y17188, D34614, AX047062, D88547, AR025207, X82626, AR092424, AJ294956, X68127, AF058696, AX028130, AR008278, AF260572, AB028859, AX015396, Y12724, AB012117, AR087649, AR074545, AJ287395, A85396, AR074141, AR066482, A44171, AR088705, AX042372, A85477, I19525, A86792, X93549, A94995, AR008443, A82595, AR060385, AB002449, I50126, I50132, I50128, I50133, AR066488, AR016514, AF135125, AR060138, A45456, A26615, AR052274, AR066490, AR074139, Y09669, A43192, A43190, AR038669, A30438, I18367, AR066487, AR074136,

				AX035429, AX035428, AX035426, D88507, D50010, Y17187, A63261, AR064240, AB037923, I14842, AR054175, AR008408, AR091537, AB033111, AR062872, A70867, AR093385, AR016691, AR016690, U46128, D13509, AR008277, AR008281, A64136, A68321, AR060133, AR087528, U87247, AF123263, AB023656, U79457, Z32749, AR032065, AR078985, AR038855, X93535, and AR008382.
HODEI92	395	1 - 1064	15 - 1078	AW970780, AA292507, AA131133, AW009250, W93698, AA443637, BE326280, AA815396, AA524536, AI131316, AA716422, AW167811, AI989794, AI204695, AI206303, AA235322, AW102822, AA195671, AW104260, AI686439, W93749, AA131081, AA195672, AW367192, AI254818, AW352181, AI611923, AW367188, H48933, AX016191, AX016189, AF088074, AF190501, and AX016183.
HODEB58	396	1 - 459	15 - 473	AL157628, AU123801, AW502001, AA247157, AW996782, AW996780, and D86985.
HODEG86	397	1 - 634	15 - 648	AC008750.
HODFA57	398	1 - 627	15 - 641	AL034561.
HODFB31	399	1 - 606	15 - 620	BG036348, AV688303, BF243944, AU125772, BF967928, AL355112, and AK022722.
HTEMP79	400	1 - 1003	15 - 1017	BF979841, BF979305, BF979296, BG150564, AI341338, AA910069, BE503224, AA910067, AW340554, AA868285, AA861100, AA917718, AA129040, AL038500, AI221381, AU137865, AU120146, AU125654, AU131460, AU135444, AU120558, AU131110, AU139759, AU138029, AU139592, BE893418, AV714298, AW239516, AV713810, AU135947, AV715665, AU129590, AU138204, AL038186, AU134855, AU134811, AU117756, AU139562, AU134643, AA205818, AU139871, BG168497, AU129389, AI239750, BE613687, BE396928, BF967070, BE618106, AU136621, AA912915, AU126929, BE890856, AU135184, BE907987, AU127952, Z99424, AU134720, AA206189, AW996933, AU136524, AV724976, AW842650, AW842596, AV715554, BE892925, AA205550, AW842656, BF966532, AU119441, AV721305, AU118998, AW842593, AU118558, AW842553, BG152681, BE542111, BF701180, BF671574, AW451940, AI149958, BF512132, AW590832, BE781825, BE568730, AW590222, AU136337, BF574935, BF575983, BF969659, BF572912, AA315719, AA224536, BF671221, BF507657, BF244704, BF222463, AU136454, BE566974, AW390941, AA333736, BF976004, AI637727, BE839049, AI628722, AW385599, AI205669, AA232305, BE504056, AA224264, AI969344, AW842657, AI651532, BF130108, BF673027, AA401546, BE620495, AW952726, BE894917, BE782983, AA769771, BE622263, AA102022, BE812973, AA605007, BF923140, BE177709, Y08713, AV652507, BE243891, AA317641, BG251796, R86883, W40563, AL038869, Y08710, BE177607, BG027535, AA911682, AA400010, T31615, AW860317, BF512166, AW628844, AA215844, AA609369, AA327908, AI205700,

HODEI59	401	100842 3	1 - 2194	15 - 2208	

15 - 2208:

AL514246, AL515386, AL518272, AL514286, AL534645, AL513954, AL515951, AL517608, AL537938, AL534937, AL535126, AL514245, AL514285, AL515385, BE741801, AL518271, BG030448, BE249894, BE747098, BF969850, BE903771, AI089532, BE732303, AL516353, AU124756, AL515950, BE875530, BE548631, AL135215, BE559611, BE746448, BE617545, BF980387, BG105192, BF304043, BF344655, BG028220, BE876125, BE385482, BE546433, BE613787, BE745567, BF306846, BE872421, BE304378, AI858032, BE910151, BE728945, BG031083, BE044327, BE312769, BF304470, BF220067, BE382790, BF792220, BE888395, BE512863, AW630049, BE264704, BE019419, AW190978, BE873528, BE743867, BF980238, BE272405, BG177540, BF979600, AL517607, AL516352, BF312830, AI133631, AI813951, BE880945, BE909280, BF204948, BF306768, BF037878, BE908725, BE305052, BF309305, BE314389, BE260228, BE740349, BE617021, AI609415, BE019955, BE742883, BE788962, AW630031, BE900814, BE744415, BG037108, AI799266, BE872542, BF206684, BF345364, AU137689, BE870455, AU133915, BE075645, BE745513, BE392394, BE276403, BE259523, BE869272, BE281377, AI560720, BE907015, BF475580, AW411260, BE778336, BE904319, AI221781, BG024432, BE514586, AW664141, AW409870, BE512937, AI421824, BE746684, BE268722, BE898529, BE747682, BE295364, BE294227, BE296880, BE743160, BF968080, BE875729, AI803308, AW193912, AA873179, BF219991, AW572599, BE315180, BF036325, AW409625, BF969157, AA442385, AW593276, BE278388, BF681228, BE620528, AII60090, AA129184, AA641152, AI497645, AA074819, AW265036, AA918330, AA514744, AA937320, AA833843, AW076094, BE439500, AA437304, AW338396, BE314832, BE542221, AA559119, AI081179, AA182029, AI339464, BE736401, BE298973, BF690165, AW104555, AA633022, BE167603, AA846480, AI080502, N58404, AU148552, AA977779, AA601895, AA602350, BE206010, AI283493, AA719486, AA777186, BF679880, BE075214, AW971216, AI093386, AA635024, AA878958, AW581739, AU155076, BE872745, BF689939, AI372885, AII50205, AA987809, AU157269, BF736549, AA640960, AI696971, AV699083, BE272492, BE075208, AI188096, AA069710, BE878885, AA598686, BE293486, AA991856, AA922879, AA059332, AW170079, AV711790, AW022112, AW838593, AA631450, AW001861, BF923732, AA553895, AA312746, AI359100, AA523525, BE620924, AA019781, AI024621, BE293768, AI016430, AA019940, AL513953, BF893485, AA808711, AW769946, AI671904, BF924319, AA700509, AA494181, AI986194, AA206093, BF511145,

1 - 2194:

AW858932, AL038868, BE088860, BE897498, AA259049, AI557716, AA836042, AA015969, AA834955, T36213, AA082661, AA215841, AA853467, D31329, BF126318, T31928, BE767187, BF576518, T29939, D30957, AA343197, D52848, BF086965, AA429554, D52602, AW176674, T35627, AA295441, T33984, AI630074, N89172, D53645, AW303468, AA609051, AW082982, AA428463, T34676, AA018652, AA382266, T07336, T56977, AA471245, AV752439, S72008, AF142759, AL133216, Z84474, AC008753, AJ223786, AJ223787, AJ223784, AC006457, AC006455, AC083864, AJ223790, and AA861292.

| HODEF94 | 402 | 1008429 | 1 - 598 | 15 - 612 | BF001913, AI379268, AA021014, AW088757, W48687, AW022185, BE281648, BE208160, AI818392, BF754792, AW117836, BF083960, Y00282, X55298, D31717, AJ293583, AL031659, AJ237734, AJ237749, D17137, AJ237735, AJ237739, AJ237736, AJ237738, AJ237748, AJ237740, AJ237746, AJ237733, AJ237745, AJ237747, AJ237737, AJ237744, T46984, T46985, T60315, T60340, T91262, R18936, R22449, R44051, R62351, R62967, R67538, R67539, H00266, H05754, H05861, H17661, H17778, H37895, R84704, R85663, R85705, R92774, H86241, H86596, N94481, W23930, W33005, W42716, W42804, W42856, W48688, W51894, W60144, AA013165, AA013166, AA016027, AA016116, AA019160, AA019173, AA019737, AA019874, AA020855, AA039946, AA044966, AA059316, AA062810, AA069688, AA074166, AA074690, AA086267, AA085941, AA101899, AA111855, AA112207, AA112317, AA113083, AA113110, AA112379, AA134374, AA147440, AA147441, AA147468, AA147469, AA188388, AA193685, AA525480, AA580724, AA595036, AA600916, AA580604, AA715813, AA806865, AA811858, AA862552, AA887089, AA999930, N86448, AA204826, AA211321, AA402815, AA664415, AA447787, AA780622, AI061128, D19642, F03836, F07590, AI273061, AI278731, AI357772, AI216170, AI439259, AI468907, AI500054, AI566659, AI126804, AI625347, AI625752, AI174479, AI183316, AI201633, AI598115, AI538395, AI609408, AI676250, AI683352, AI685084, AI784208, AI857350, AI858895, AI869751, AI887466, AI914602, AI919050, AI920837, AI924048, AI924282, AI951771, AI932755, AI973161, AW007825, AI979009, AW054982, AW057876, AW129509, AW129677, AW130499, AW132090, AW149098, AW197936, AW238903, AW190614, AW193607, AW337285, AW337690, AW339523, and AW439012.

AA361736, D81026, AW960465, AW966053, AW975618, D80043, AV719783, AV720464, AW973307, AW966531, AW973490, AV719468, AV718800, AW965163, AW959202, AW966041, AW966054, AA305578, C14389, AW949632, AW959570, AW964532, AW959597, AW966022, AW965175, AV718707, AW978661, D80210, D51799, D80391, AV719557, AW973445, AW966062, AW966013, AW973488, D80164, D59275, AW973474, D80195, AW975621, AW978648, AW949629, AW965177, D59467, AW978634, AV720791, AV719188, AV724520, D80227, AW966059, D59502, AW949654, AV699027, AW965185, AW965197, D58283, AW962395, AW966075, AW966065, AV719822, AW959799, AW959062, AW964477, AW949641, AW973334, AW973541, D51022, D50979, AW966043, D59859, D80022, C14331, D80166, AV720150, AW965158, AV699550, AW960473, AW975613, D51423, D59619, AV718707, AW978661, D80210, D51799, D80391, AV719557, AW960553, D80240, AW973482, D80253, AW966030, C15076, AV718489, AV720203, AW958992, AW964756, D59787, AW959136, AW962082, AV719324, AV718440, AV718938, AV720028, AV718633, AW959628, AW975605, AW965196, AW973485, AW965184, AV720211, AV718931, AV718844, AV718770, AV720731, D81030, |

	403	100844 5	1 - 2506	15 - 2520
HPFCZ53				BE744855, AV733083, ALI35501, AW269295, BF447642, AI742093, AI570166, BF432844, AI682417, AI831002, BE221094, AA454871, BE895906, AA489494, W03448, AA458761, AI223848, AI091463, BE010197, AW974159, R75972, BE896483, H12380, BF343007, N27687, N25761, H98964, BF995992, BE930205, R80411, R76804, R80520, H00651, H13488, N20850, R71483, R33738, N92681, H01818, R70736, H12329, AW026563, H27255, AA457496, R78747, R71159, C16910, H87189, AA079248, H00740, R70737, R33865,

AV699447, AW958993, AV722801, AW966333, AV723927, AV699866, AW956434,
AW964488, AW949656, AW964468, AW949642, D80269, AW966399, D80038, D80188,
AW960454, D80212, AV721386, D80193, D80196, D80045, D80219, AA514188, AV720812,
AW949646, AW949658, D59927, D80024, AW179332, D57483, D59610, AV720533,
AW960532, D80378, D80366, D51060, AA305409, AW966032, D59889, AW949633, D50995,
AA514186, AV720616, AW962245, C14014, AW973473, AW956397, AW973447,
AW959469, AW964737, AW973330, AW959582, AW949653, AW949645, AW949631,
AW949643, AW949618, AW949657, AW949655, D80522, D80248, AW360811, AV723097,
AW966398, AW966380, AW752082, AV700229, AW753053, AW966330, AW177440,
AW966023, AV720151, D80251, AW966332, D80241, C14429, AW966369, D80133,
AW178893, AV700889, AW960504, AW960564, AW965176, AW949630, AW966379,
AW966385, AW966386, AW966388, AW966331, AW966378, AW966368, AW966397,
AW960570, AW375405, AV701839, AV718530, AV701004, AW179329, AW975623, T03269,
AV700622, AW952852, AW973465, AV719628, AV699746, AW179328, AV720654, D80268,
AW966389, AV750778, AV720035, AW366296, D80302, AW377671, AW360844, AV718681,
C75259, AW360817, AW179023, AW178905, AV655880, C05695, AW966329, AV744690, AV699682,
AW377672, AW742667, AW753067, AV701125, AC002553, AB028859, AJ132110,
AV742001, AV742667, AW753067, A62298, AX047063, AX047064, A84916, AR070327,
AX033851, A62300, AR008278, AR018138, AF058696, AX021518, X67155, Y17188, D26022,
AX027925, AR008278, AR018138, AF058696, AX021518, X67155, Y17188, D26022,
Y12724, AX035434, A25909, AX028130, AX020191, A67220, D89785, A82595, A78862,
D34614, AJ302649, AX020190, AR060385, A94995, AB002449, AX047062, D88547,
AR008443, AR016808, AR077702, X82626, I50126, I50132, I50128, I50133, AR025207,
AR066488, AR016514, AR060138, A45456, A26615, AR052274, AJ294956, AR074139,
Y09669, A43192, A43190, AR038669, AR066490, AR066487, AR074136, I14842, A30438,
I18367, AF260572, AR054175, D50010, Y17187, AR074545, AB012117, A63261, AX015396,
AR008277, AR008281, AR008408, X68127, AR091537, AR062872, A70867, AR093385,
AR016691, AR016690, U46128, AJ287395, A85396, AR074141, D88507, AR066482, A44171,
AR088705, AX042372, I79511, A85477, D13509, I19525, A64136, A68321, A86792,
AR060133, X93549, U79457, AF123263, AR071754, AR032065, AR060382, A63887, and
AR008382.

				1 - 2527	R21198, R35483, R80734, R80735, AW369065, BF593276, H87697, R69732, AW138166, R77614, D59080, AW974160, AA379266, R81260, H97600, R71533, AA379283, N63770, BF570817, BG122478, H81894, H13437, BG034225, R28479, R33860, BF432486, AI362076, R33626, R34282, R33864, AW611536, R32022, R31344, R38044, H01817, BF237836, AA368231, R33859, R28049, BE741098, R32074, R79637, N33051, R81259, BG004720, H97120, BF941486, AA455212, AA146596, R26469, AI969950, R79281, R38133, BE856810, R71656, AW579596, R69635, R28270, AA936188, BF849982, H28596, H60804, R77613, BG251670, X52611, X77343, M36711, AF260570, AF260568, AF260569, X74216, U72992, X57012, M61156, U17286, U17285, U17288, U17287, A48521, AI419076, and AW206319.
HWACN71	404	1008764		15 - 2541	BF432374, AI363168, AI871467, AW452231, AI688606, AI572267, AW858522, AL134110, AW601637, AL134524, AW577199, AW577201, AL045327, AW971725, AW972287, AW972285, AW971301, AW979127, AW979212, AW979310, AW975246, AW971300, AW979124, AW974123, AW971066, AW970052, AW976032, AW971235, AW975679, AW975999, AW971271, AW974909, AW973753, AW975685, AW974378, AW976043, AW972642, AW972849, AW972907, AW979149, AW974825, AW975991, AW976506, AW971100, AW975095, AW972665, AW970089, AW974801, AW975692, AW970912, AW970973, AW975149, AW974964, AW968185, AW972649, AW972675, AW972691, AW972897, AW974390, AW975667, AW974363, AW974376, AW974678, AW975657, AW975104, AW971265, AW970554, AW974346, AW974933, AW979205, AW971330, AW973776, AW979184, AW970908, AW969928, AW972650, AW973247, AW970976, AW970856, AW972772, AW973722, AW976023, AW972919, AW971173, AW971088, AW975628, AW972594, AW974092, AW975373, AW971737, AW969966, AW973397, AW972396, AW975061, AW971732, AW970941, AW972926, AW974932, AW971356, AW970918, AW979208, AW979306, AW979235, AW969851, AW970987, AW974098, AW969986, AW858525, AW970084, AW970053, AW972716, AW972427, AW972686, AW969723, AW979122, AW970084, AW975049, AW969816, AW979115, AW975921, AW972812, AW974883, AW975049, AW970928, AW979289, AW971983, AW861944, AW979020, AW969974, AW971156, AW979087, AW971411, AW971243, AW969733, AW975971, AW975156, AW972273, AW979125, AW974658, AW974800, AW972871, AW972927, AW973774, AW972596, AW970857, AW972296, AW979211, AW974686, AW974645, AW979285, AW974913, AW969716, AW979190, AW972721, AW971291, AW974088, AW975411, AW972654, AW976031, AW970586, AW975981, AW975235, AW979059, AW973170, AW971403, AW972701, AW975150, AW971017, AW970853, AW973950, AW979191, AW971168, AW972879, AW975050, AW971187, AW972936, AW979002, AW979238, AW974086, AW970915, AW969748, AW974393, AW975037, AW979253, AW972863, AW979308, AW975383, AW974897, AW975264, AW979158, AL045328, AW969771, AW974077, AW968200, AW972225, AW971160, AW972274, AW975019,

				AW971085, AW969673, AW970576, AW971738, AW973646, AW972325, AW979152, AW974926, AW969634, AW971262, AW979155, AW969680, AW975645, AW975672, AW971040, AW972894, AW969885, AW970070, AW972153, AW979302, AW971108, AW974924, AW979090, AW971114, AW971299, AW974945, AW969655, AW971188, AW974075, AW975364, AW971968, AW971342, AW979169, AW972152, AW970896, AW972280, AI318479, AW974900, AW975043, AW971060, AW971315, AW974103, AW969847, AW971363, AW974903, AW970886, AW971352, AW974127, AW973992, AW975031, AW972662, AF117711, AF145782, AF107761, AF105261, AJ245375, AJ245377, AJ245376, AR066494, AJ238010, A93923, A93916, AJ276253, AJ276255, AJ276256, AR096545, D17247, AJ276251, A93931, A85203, AJ276254, AL133053, AL122101, and AR023813.
HOFMU69	405	100901 7	1 - 1428	15 - 1442	AV684729, AW028063, BF966613, BF183036, BF513083, BE856253, AV725683, BF967767, BF476032, AA037314, AW025205, AW118083, AV654724, AI553845, BF739803, BE874632, AV721664, BG032797, BE835358, BF107095, BE835421, AI936938, AW629496, BF112039, AI627928, BG036935, AI283403, BF978144, BF240167, AW469390, AI805469, AI027476, AA926654, AI818906, BF977973, AI421269, AI291304, BF081332, AW074838, N57371, AW001973, BF515401, BF370065, AA970745, AA102090, AA463457, AA923662, AI309195, AA568740, AA972072, AI276170, AI718178, BG058506, AI384119, AW182398, AI002643, AI277271, AA937950, AA905140, AI290395, AI304767, AA731671, AA934048, AA311659, AA610079, AA907546, AI694431, AA854770, AA905147, AA056233, AA804207, T87107, N31503, AI358287, AA055922, AI221597, AI041581, AI204193, AI806731, AI554900, AI268390, AV654948, D62387, AA099343, AA258407, AI809900, AA988126, AA872540, AA890504, C15485, AL119457, AL119399, D62335, AL042382, AL042544, AL079794, AW877209, BG164558, AL079741, BF925729, BG168696, AL119511, BG032704, AV681630, AV682252, AI627988, BG166654, AW149925, AW983783, BF970449, AW161156, BF814527, AI269862, AI537677, AI340603, AV734329, AL119863, BG029667, BF970990, AI796743, AI536685, AL514129, BE964614, AL037081, AW983829, BE047852, BG260287, AW051258, AV753074, BF814420, AW029611, AI564719, AI500061, AI537244, AI677796, AL040241, BE885353, AI698391, AL514879, AL120853, AW983703, AI524671, BG260037, AW983691, AI926790, AI591420, AI889376, AI932794, AW983703, AI524671, BG260037, AW983691, AI611738, AI619502, AI632408, AI802542, AI635067, AW050522, AI923370, AI281772, BF812960, AI570807, AI635492, AW026882, AI635067, AV650703, BF827575, AI620089, AA449768, AI433157, BF812938, BF970652, AI921248, BF812961, BG109270, BF107577, AI478123, AL037104, AI633125, AI702073, AI933589, AI582932, AV757737, AI890833, AI468872, AI521560, W74529, AI915291, BG031815, AI582932, BF885081, BF904265, BG179993, BG257535, BF970768, AI917252, AL037454, BE045182, BF987104, AI797908, AI521012, AW117746, AV743962, AI274508, BG110517, BF987104, BG168646, AI797908, AI521012, AW117746, AV743962, AI274508,

					AI699865, AL036631, AI886753, BF344652, AF077038, AX002924, AL080115, AX002922, U96638, AC010134, Y11587, AF087943, I89947, AK026927, S61953, I48978, AK000083, I48979, AL110196, A77033, A77035, Y16645, A65341, AL049283, X82434, AF116602, AX026824, AX026823, A58524, A58523, A08916, AF090901, AK026744, AF321617, A08910, AF090934, A08913, AK026480, AK025958, AF116631, AL110221, A07647, AK000323, AL137480, AF119875, AK000137, AL359596, AL096744, U77594, AK024538, AL137550, AF119909, Y14314, A08909, AK025084, AF090903, AF090896, AR011880, AF113019, AF116688, AX019230, AK025339, AK026959, AK026784, AL442082, AF130104, AK027096, AL049314, AF130099, AL137533, AK025391, AF225424, AL050277, AF260566, AL133560, AK026542, AF119899, AF177401, I33392, AK026462, AF130082, AK026534, AX019229, AF111112, AF119865, AF130105, AF026124, AF017152, AF026816, AF106862, AL359941, AL390154, I89931, AB048954, AF146568, AL389982, AB048953, AR087170, AL162002, AK025967, AL080159, Z82022, AF116646, AL050149, AF079763, AL049938, AK026528, AL133640, AL137271, S78214, AF183393, AL353940, U35846, AL110280, AR038854, AJ000937, AL122050, AF218014, AF113691, AF113013, E07108, AK026647, AL050116, AL359618, AF111851, AL133113, AL050393, AF314091, AF104032, AL122110, AL049466, AF113694, AB052191, E05822, AL050024, AL133080, AK025092, AF242189, AK026593, S68736, AL117435, AL133565, AL133606, AL122121, AF057300, AF057299, AK026045, AL133557, AF116682, AF130059, AF125949, AL110225, AF185576, A08912, AB051158, X72889, AF230496, AF118064, AK025414, AK027204, AL137538, X84990, AL117457, AL442072, A03736, AJ012755, AF116691, AK026592, AK026642, AL049382, AL359583, AF119860, AF111849, AK026600, AL133075, AF090900, AF158248, AL080124, A12297, AK026865, AK026408, U72620, AF078844, AL080060, AF113690, AK000432, AX040958, AF116654, AK027164, AL117460, AR079032, AF125948, AL359615, AL050108, AF111847, AK027146, Y11254, AL137459, AL162006, A93350, AL137529, I00734, AK025312, AX010492, AL050146, AL122093, AF130110, AL050138, E03348, AF097996, AB047904, E02349, AK026855, AK026630, AK025632, E00617, E00717, AF067728, AX042059, AK000445, AL049430, AF113699, AK026741, AR059958, AL359601, AF130075, AK025524, AL133016, AF130077, AF091084, AK027113, AL122049, AL389978, AF119878, AB047615, AF177336, AK025209, AF153205, AK025772, AF113676, AF079765, AR038969, AL122123, AF116676, AL049452, AF113689, AF113677, AL137557, AF130055, U67958, AF217966, AB041801, and AF130092.
				15 - 974	
			1 - 960		
		100909 5			
	406				
HSKNP59					BE799721, AA480375, BE719132, BE719128, BF841831, AI251419, AI270846, AI308612, AI270979, AA953100, AI340555, AI250202, BE041953, AI309146, BE043759, BE043282, AV706824, AW023232, AW020543, AV702772, AV701946, AV726010, AV696790, AV702021, AV726088, AV728872, AV727510, AW960655, AV709232, AV726026, AV705981, AV709101, AV702790, AW963750, AV705433, AV702728, AV705873,

AV704362, AW950443, AW960601, AW952183, AW959806, AV656903, AW955613, AW950888, AV661704, AV697196, AW952751, AV696106, AW956075, AV645936, AV709587, AW955723, AV658084, AV692600, AV650315, AV659389, AV697880, AW951263, AV727613, AV656373, AV689111, AV709880, AV728157, AV655280, AV660258, AV708109, AV647789, AW959521, AW956474, AV659294, AV727787, AV703146, AV725745, AV686060, AV692345, AV686064, AW951239, AV728148, AV660608, AV659322, AV726156, AV654908, AV726590, AV698545, AV656478, AV703790, AV709314, AV708893, AV653353, AV708381, AV660728, AV654070, AV659536, AV691080, AW951281, AV706219, AV702385, AV658275, AW949802, AV652001, AV651955, AW955662, AV707979, AV703669, AV727003, AV725208, AV709580, AV652290, AV725582, AV708786, AW957517, AV659547, AW959543, AV727526, AV648263, AV703169, AV725618, AV651920, AW954439, AV725633, AV728518, AV702266, AV707541, AV725577, AV725033, AV706223, AV728924, AV725617, AW954206, AW955900, AV707863, AV725991, AV696931, AW964421, AW952410, AV703062, AV727822, AV699089, AV705135, AV701874, AV704637, AW952409, AW962444, AV703501, AW954237, AV701180, AV707401, AV701183, AV709660, AV704585, AV654035, AV709935, AV707652, AV707654, AV707663, AV728721, AV726624, AV706854, AV683994, AV704042, AV654282, AV729220, AV697288, AV709604, AV687035, AV698290, AV706882, AV694836, AV704847, AV697498, AV702954, AV686420, AV694812, AV727238, AV682997, AV696866, AV727126, AV707656, AV726681, AV655890, AV728997, AV706162, AV690768, AV704955, AV686390, AV705635, AV656256, AV686417, AV702794, AV687176, AV686083, AV698429, AV726816, AV656240, AV655577, AV725920, AV694871, AV692972, AV704217, AV652156, AV727459, AV725054, AV655901, AV685688, AV689800, AV693005, AV658332, AW954248, AV689410, AV687909, AV695545, AV687946, AV704924, AV728546, AV703762, AV701707, AV706734, AV702854, AW956199, AV656283, AV656224, AV706089, AV694674, AV704234, AV708025, AV729378, AV684962, AV707933, AV684604, AV708980, AV692691, AV726505, AV701914, AV686100, AV729131, AV695752, AV690209, AV725645, AV656013, AC011491, AF040962, AX047063, Y11505, AF217994, S68736, Y08991, A91160, AI306837, and AI306856.				
AW006970, BE879571, AW024469, AV721459, BE540489, BE536564, BF965299, BE881422, BF664939, BE542653, BF516238, BF681569, AA526371, AA526589, AA526389, BF106316, AI799491, AI498256, AI097048, AA708799, AA043221, AI738993, AW161297, AA451969, AI004196, AA530865, AI35563B, AI215599, AA043222, BF446574, AI536604, N50826, AA452260, AA833821, AI695010, AW157800, AA526474, N48253, AI889875, AW263944, AA040895, AA478480, AV682170, AI569738, AI269131, AA993786, BE817977, AA042971,	407	1009343	1 - 1221	15 - 1235
				HETBR71

					AI796908, AA042903, AA902540, AA045373, AW663109, AA983152, AA526492, AI708146, AA625776, R82583, R23201, AA046559, AI961811, BG112634, D55818, AI928322, AA452433, AA985418, AA354943, AA382564, R82523, T28227, AA916195, N81192, T51545, BF680901, N22292, AW380569, AA040894, BE042443, BG105056, AW889077, BF807114, AA935289, AL049610, AF095906, and M99701.
HE2ES17	408	1009349	1 - 1483	15 - 1497	BG111492, AW439786, AW073883, AV719548, AV706176, BF132037, AU143895, BF671635, AU152574, AI925143, AI018024, AA460521, AU152977, BF593938, AI277889, N35236, AI911015, AV720311, AV720287, AV720565, AV719404, H99645, AA983864, AI539561, AA781828, AII40736, AW474242, AI539533, AI084377, AI367955, N44901, AA860474, AW510585, AI051782, T80249, AI276390, AA460520, AU116935, AA682234, N66333, N66141, AA214431, N98663, BE244676, R38792, AK000874, AF078932, Y10495, Y10496, AF203441, AF203437, and AC007546.
HELHM06	409	1009362	1 - 336	15 - 350	AW327723, AW674864, AL516842, BE882980, AL532515, BE799552, BE896851, BF984921, BE396422, BF826008, BE799625, BF826769, BF218169, AU077063, AV687313, L14076, and AC004236.
HE2AG50	410	1009365	1 - 1794	15 - 1808	AI453045, AL528826, AA856613, AI912949, AI739056, BF966732, AI986110, AL519448, AW613375, AI379787, BG032945, AW962214, AI914227, AA582587, BF590115, BF514600, BF680870, AI587526, AI867178, AA505399, AA683551, BF431318, AI078274, AI928459, AU144502, AA766846, AA815041, AI281397, BG170712, AA232560, AW051473, AA523261, BF576501, BF108639, BE242521, AW951858, AI354235, AL039035, BF572328, AI301459, AA126940, AA326462, N70794, AI281454, AA651932, BF574933, AI826813, AA278487, AI349091, AA197245, BF672052, AI700825, BF694355, BF668070, BE247045, BF673072, H43036, AV659423, BF671763, W67786, AI370310, AW631375, W67845, BF966298, AL047459, BF574129, F03536, AI301406, AI630671, BF693378, AA367445, T28398, BG057778, BF790818, BF574845, AI525002, AI825974, BE174789, Z20344, BF575895, C15076, D80522, D59467, D80164, AV701004, AW975618, AV699866, AI569419, AW964532, C14331, AV718530, D81030, D59627, AV738340, D80366, D80258, AV700159, AW966330, AW753053, D81026, AW973541, AV699550, AV718489, AW377671, AW964468, D80064, AI557751, AV718692, AV718681, D50979, AW973445, AW966029, AW959628, AW958993, AV724520, AV701422, AV720035, D80043, AW959799, D80133, AW960465, AW960553, D80248, AV720878, AW966531, AW978634, AV741191, AW966053, AW973334, AW958992, AW965163, AV720533, AV719783, C14389, AV720464, AW966059, AV720791, AV718440, AV720028, D58283, AW966022, AW966041, D59927, D59859, AW949632, D80022, AW973485, D59275, AW949641, AW965177, D59502, D80391, AW965158, D80253, AW966030, AW964756, AW966043, AV742996, AW960473, AW959469, D80132, AW965196, AW965184, AW966534, AW966075, AV718844, AW966065, AW973482, AW966054, AW975621, AW962082, D51423, AV719822, D80196,

HE2ES61	411	1009388	1 - 1258	15 - 1272	D80269, D80188, AW978661, AW960532, AV741187, AV741198, AW973307, D80251, AW966013, AW973490, AW973488, D80166, AW973474, AV699447, D80195, AW978648, AW964488, D57483, AW949633, AW975613, D59619, D51022, AW964737, D80210, D51799, D80240, AV744662, AV720203, AW966050, AV719188, D80227, AW966062, AV719324, AV718938, AW959597, AV718633, AW975605, AW959570, AV719468, AV718800, AW965185, AW965197, AV718707, AW965175, AV720211, AV718931, AV719557, AV718770, AV720731, AW973473, AV722801, AV723927, AW959136, AW959062, AW964477, AW956434, AW949656, AV699927, AW949642, AW959202, AW973330, AW966400, D80212, AW949645, D80219, AW960454, M91432, M16827, AF251043, A74372, A62300, A62298, AX033851, AX047063, A84916, AR018138, AF058696, Y17188, AX047064, AR087649, AJ132110, AR070327, AJ302649, A25909, AX027925, AR008278, AB028859, A82595, AX047062, AX021518, X68127, D26022, AX035434, X82626, AX028130, Y12724, X67155, AX020191, A67220, D89785, A78862, D34614, AX020190, A30438, D88547, A94995, AR008443, AR060385, AB002449, Y17187, AR025207, I50126, I50132, I50128, I50133, AR008277, AR008281, AR066488, AR016514, AR088705, AR060138, A45456, A26615, AR052274, AF260572, AR074139, AJ287395, Y09669, A43192, A43190, AR038669, AR054175, AR066487, AR074136, U46128, AR016691, AR016690, AR074545, AB012117, I14842, I18367, D50010, A63261, A85396, AR074141, D88507, AR066482, A44171, AR008408, AR091537, A85477, I19525, A86792, A70867, AR062872, AR093385, X93549, AX042372, I79511, D13509, A64136, A68321, and AR060133.
HE2SO43	412	1009398	1 - 1107	15 - 1121	AF075305, AW439817, AW439844, AI493164, AA203275, BF690753, AA533476, N31463, AI435348, AA838687, AI334356, AI282866, AI823812, AV719236, AA507026, AW138875, AW236781, AW996877, BF445452, BE673101, AA035519, AW118716, AA219612, AW194890, AA737528, AA453621, AC005034, and AB026911.
HLHCI07	413	1009403	1 - 517	15 - 531	BF345442, BE745400, BF002361, BF591185, AW006311, AI740645, AW972577, AW190738, AW872945, BF590839, AW515791, AI337338, AI623327, AI160758, BG055059, AI146399, AI955183, AW130008, AI380399, AI375011, BG222460, AI539558, AI217110, AI371688, AW615545, AI360696, AW004738, AA885332, AA506508, AI264485, AI356161, AA280731, AW873997, AI479723, AI471972, AI077764, AI356162, AI472175, AA557465, AW007779, BE463808, H29892, AI240814, AI521518, AI356160, BE827863, BF215793, AI419525, AW248081, T23536, AI424657, H17888, BF434314, AA877639, R96881, BF000404, AI934283, BF510867, BF588477, R96880, H19299, T88997, R72799, AI370746, BF806860, D45762, AC006547, AC000083, AC000097, AK025106, X56044, AC003060, and AC012526.
HTTBR65	414	1009411	1 - 461	15 - 475	W31456, W52407, AC005410, AC020744, AL445249, AL132821, AL035652, and AC016925. BE314959, AW411287, AW411286, BF304101, BF976822, AW411455, BF344411, BF339991,

		4			
HPFCV71	415	100945 3	1 - 661	15 - 675	BF571534, AW367868, BF809505, W93139, AA010506, AF095890, D12765, E06025, U35622, U18018, and E06024. AW028647, R31337, BF892076, BF892569, AW816131, BF988799, BF993589, BF990226, AA224815, BF773356, AV732057, BF992718, AV730440, AA565911, BE464585, AW301855, AI281622, AA523719, R68706, AA640823, AW023376, R31595, AW835334, AA728954, BF992721, AA362440, BF992720, AA640563, AU147781, AA935827, AI318304, H16875, AW968193, AW850985, AW162314, BF821112, AW162332, BF849123, BE974024, AI268491, BF917144, AA985194, AW407007, AI909640, AA833828, AW953071, BG255923, AI625175, AW572713, AI345146, T47429, AA015948, AA112864, AU146575, BE880448, AW080772, AW157173, AA878955, AW973825, BE246411, BG260565, AA932787, AL537432, BE706737, AL537956, AV720475, F23268, BE312650, AW962187, AA984920, AF178081, AC006077, AC010519, AC007619, AC005730, AF023268, AC008745, AC003693, AC016027, AC004797, AC016830, AL163279, AP000031, AF121781, L78810, AC008635, U89336, AL080243, AL022315, AJ006345, AC034186, AC010091, AC022404, AC026161, AC004973, AC083863, AC005484, AC005049, AL021807, AC005519, AC005759, AL031848, AC007899, AL162424, AC022150, AC006006, Z83844, AL162505, Z97056, AP001714, AL031281, AC010463, AC005057, Z49155, AP001629, AL121928, AC005763, AL133458, AP000556, AL136137, AP000552, AC000353, AC010422, AC023490, AC005668, AC006345, AL136179, AC004448, AC009194, AC005412, AL031588, AJ009615, U85195, AL078460, AL135787, AE000658, AC005822, AL139342, AL035071, AL008582, AC005058, AL122001, AC018644, AL009179, AC007384, AC004634, AL031767, Z93015, AL049838, AC019210, AC011475, AP001748, AC005288, Z98036, AP000558, AL109797, Z84477, AL121653, AL049872, AF205592, AC000134, AC019183, AC073898, AC006057, AC005620, AC010311, AL035658, AL133240, AC008276, AC011480, AP000557, AC006285, AC005231, AL033378, AC005066, AC010458, AC011811, AC022148, AC005516, AC005844, AL022165, AL109935, AL353748, AL117258, AC005940, AL133353, AL391259, AC010527, AC004254, AF205588, AL158040, AF146367, AP000131, AP000209, AP000248, Z99716, AL035417, AC004087, AC004552, AC008733, AC010618, AC007969, AC011493, AC007386, AL023575, AF088219, AC005911, AL136120, AC004234, AC005043, AC004890, AC026776, AC005829, AC006337, AL117381, AF134726, AC004638, AL133227, AC011465, AC007956, AC007226, AC011500, AL035495, AC018751, AC009516, AC005913, AL022238, Z74739, AF165142, AC008543, AC006023, AJ277546, AC004024, AL031228, AL135844, AL161672, AC002107, AP000228, AP000140, AC005052, AP000088, AP001694, AL033529, AF111169, AL136418, AC012309, AL121586, AC004915, AL079342, AL136172, Y18000, AP000703, AC004991, AF196969, AC005695, AL138960, and AL122014.
HCABR46	416	100947 9	1 - 869	15 - 883	AW131143, BF343353, AW166982, AI922723, AA769108, AI076939, AW189314, AI971285, AW190185, AV701548, AW103994, AV167989, AW167989, AI859425,

AW273318, BE858229, AW103531, AI687025, AI815064, AW872740, AI887599, AW473089, BF793300, AI634376, AA613656, AW085668, BE208322, AI284232, AW272535, AI580226, AW674771, AI758714, AW873017, AW102937, BG060158, AW130895, BE513212, AI744795, AA485335, BE464581, AI077344, AW467350, AI453759, AA662083, BE207926, AI660446, BF964567, AA485528, AI673587, AW951888, BE275026, BF572024, BE940753, AA932540, AI547316, BF338825, BG165219, BE545063, BE562117, BF340056, AI660299, AI680231, AV747973, AA099852, AI819676, AI347214, BG177274, AI360433, AV762928, BG177057, AA769762, BF971297, AA827002, AW381802, AW381808, BG032537, AA635998, BF514764, BF978915, BF307153, AU126209, BF338419, AI475522, AW474819, AA974186, BG171175, BF796766, AA932698, BE383918, AI547315, AI631419, AA576781, F20462, AW873736, BE389612, BE926397, BF203853, BE150943, AW394192, AI884333, BE150996, BF813305, AI266687, T47132, BG252592, BE151249, AI914926, AW885482, AW130809, R54786, BF308261, AW372362, BE868309, BE385258, AW085843, C01770, AW392791, T58370, BE262811, T47131, BE010487, AI284877, AI537745, AA974427, BG166304, BE311504, AW439296, AW391615, BE294146, AW392770, T69376, F37677, AA317949, BE150893, AW050884, AW883205, AI690506, AI612866, AI282235, AA485371, T58420, BE018877, BG248153, BE019142, AW883743, BE826138, AA485492, BF662869, R54976, AW392430, AA582345, AA303595, AA299677, AA568373, AW796686, AW083669, AW087282, AW075780, AW105580, T69301, BF378307, AI915084, AA335651, AW793114, AW793115, BG167629, BE272745, AW793107, BG236213, AW793141, AW793104, AV759989, AW972300, AA304122, AW675388, BF742556, AI874164, AW793102, AW793178, AW166667, AW381330, AA641428, AW793108, AW469444, AI814814, AW793229, AW793101, AW793105, AW881802, AI422498, AW605104, BE833011, BF771652, AA662119, AW609707, AW793152, AA515323, AI914688, AW884464, BF350311, AI687588, AW364262, AU126627, AW063904, AV747117, AW387219, AW793151, AI079092, AA349268, AW610497, AW605105, AW394256, BG058223, AW394196, AI745502, BF092169, N88483, BF094069, BF375200, AI554821, AI927233, AW173742, BE832895, AI289791, AL513809, AI952433, AI924051, AI932620, D28137, AL133049, AL133655, AK025375, AX040958, AX040974, U30290, E13998, AL133053, AR034821, AL133084, AL133070, AL049423, AC006112, AC010077, AL031295, AC006203, AR055519, AL133076, AL122049, AL133607, AC005522, AL122101, AL022315, AL110158, AL133015, AL133608, AC012312, AX041002, AL133051, AK027105, AC010478, AF002985, AL022723, AF141976, AK025772, U95739, AL133258, AL034374, AL030998, AL445123, AC002416, AC020647, AC021068, AC018767, AC027121, AC026165, AC019176, AC009890, AL139383, AC024171, AL133074, E12888, AP001820, AL137300, AB048953, AR015970, AL365335, AC007907, AC004213, AL161804, AC006483, AC007383, AC008269, X66862, AL137712, AF130077, AF090901, AL353092, AC004837, AF207751, AF217982, AX015526,

					AL137429, AC006019, A65336, AF202636, AL080147, AR038747, AC004485, AK026867, AL389939, AB050534, and AL080227.
HCRCB80	417	1009482	1 - 1000	15 - 1014	BE270790, BE383962, BE260603, BE727942, AV714102, AI905945, BE260907, BE728699, BG118937, AU140029, BF663274, BE730560, AV715039, BF306742, BE872592, BE884864, BG119519, BG254547, BG033397, BE897234, BE906383, BF213989, BE890780, BE886666, BE729068, BF664061, BE893840, BE252245, BF669215, BF528849, BE905149, BE891512, BG104225, BF207769, BE728783, BG248372, BE388079, BF038595, BE748126, BE870266, BF130113, BF792932, BE894590, BE892383, BE384387, BE743362, BE564177, BE891634, BE733011, BE547370, AV717679, BF102513, BG255970, BE266671, BF026737, BE259976, BE385310, BF026593, BE386351, BE407399, BE277240, BE727813, BE385159, BE409533, AW732973, BE386494, BE274479, BF777522, BG104459, AA428176, BG036685, BE222997, AV714339, AI557263, AA700878, AI743584, BE262578, AI743198, BF685382, AI066524, AI188543, BF683073, AV708703, AI589860, AV702432, BE728260, AA868378, AV737768, AI743131, BF675084, AW007795, BG164621, AW025357, BF114637, AW025366, AW085493, BF245736, BE677843, AI497772, AA868669, AV762308, AA947862, AI191406, AW131703, BE613563, BE388033, BE385788, BE730013, BF055482, BF125638, AA885890, AI215751, BE277311, BE390926, BE280636, AA903664, AI241112, BE336882, BE743276, BE270857, BE408649, W58599, AV727089, BE277287, AA775621, AV712159, AA863101, AV764193, AW327735, BE410530, AI041656, AW157690, BF528185, AI123876, AI352438, AI933151, BE409317, BE262204, AI141088, AI346690, AA009600, BE728126, AI918159, AI087107, AA399235, AI039380, AI494377, AI983614, AL037677, BE736251, AI928560, AI376910, AA307765, AA398088, AI422735, AA757153, BG029167, AA864729, AI378110, AI141147, AA621304, AI472125, BE270990, AA745843, BF132284, AW014199, AA398171, AA747250, AI923809, AI491752, AA824365, BF240874, AA526902, AI014763, AI187061, AI262609, AI131312, AI240782, BG054713, AI310956, AI922166, AA860807, BF972839, AI567441, AA576277, BE392978, AA779522, AW005219, AV756988, AA069652, N92488, BE206811, AA206878, AA114853, AI311910, AI913768, BE271114, AI597888, AA099366, AI185009, AI566146, AW161259, W58598, AI479415, BF684876, AA425147, AA114854, AW966966, AA535597, AA465204, AA457720, BE439813, AA101916, AV752801, AA143170, BG251537, AI741464, AA033922, N81048, AA428702, AI866745, AA179183, BF183167, AA399606, AW732971, AA554347, AA480829, AI041051, AA430631, N28986, N70589, AA706843, R72750, AA150902, AA526082, W23545, AA351710, AA354718, AV740958, AI620955, AI129065, AA716689, R72749, AR052511, D50420, Z83840, AF155235, AF091076, AR052510, AF109906, U95114, L34071, AJ236665, T64803, R05937, R21834, R32145, R32146, R33254, R50537, R55048, H16667, H26603, H77860, H87453, H87615, N42446, W01082, W02722, W86331, AA005253, AA025417, AA029591, AA031801,

					AA039837, AA047148, AA065206, AA069461, AA150933, AA179184, AA503854, AA552083, AA747753, AA832283, AA866037, AA216096, AA609712, AA724705, AI025241, AI092242, D19795, AA699745, AA700615, AI197919, AI284594, AII183502, AII185357, AI192704, AII193946, AI214344, AI205624, AI349577, AI349579, AI870351, AI871453, AI814743, AI937757, AI933369, AI934729, AW025465, AW083771, and AW104090.
HPMLW78	418	1009833	1 - 637	15 - 651	AL538180, H47744, BG105704, T28491, BE787797, AA422141, AA127841, BF088491, AA401304, BE707805, AW368612, AW024390, BE063214, AW949504, BE085870, AU119798, AA091414, BE063168, M31170, M86546, M31522, I96217, AF020196, L27453, AF020197, AB043619, AB043620, AI245963, AI245962, AI245966, AF162696, AF313399, AF313401, AF313400, AF313398, and S82001.
HODJK75	419	1009842	1 - 626	15 - 640	
HODJX27	420	1009854	1 - 109	15 - 123	AV738340, AV744657, AV744012, AV742732, AV742050, T48593, T26395, AV681505, AV681504, AA585439, AV699103, AV681474, AV681526, AV681486, AV681464, AW955883, AW955403, AW955893, T03269, AV681472, AW963289, AW953750, AV701136, AV701254, AV701435, AA585278, AV701198, AW960162, AW959372, AW955886, AW949707, AW956977, AV701467, AA283312, AV701189, AW960161, AV701301, AV746179, AW949665, AW949667, AV681477, AV681495, AV701472, AV701436, AV701388, AV701297, AW963961, AV699218, AV699144, AV699170, AV699269, AV699229, AV662317, AV742757, AV742025, AV699136, AV662287, AV699123, AV699224, AV662272, AV699125, AV699203, AV699219, AV699131, AV699182, AV699246, AV662247, AV699153, AV699200, AV662257, AA585378, AV742899, AV699250, AV753956, AV662248, AV699247, AV699199, AV699137, AV662242, AV699223, AV699147, AW962627, AV662225, AV701276, AV701320, AV701173, AV701283, AV701471, AV701384, AV662191, AV701449, AV701071, AV701372, AV701088, AV701237, AV701027, AV681462, AV662235, AV701403, AV662218, AV701410, AA585389, AI526112, AV745415, AA585116, D51250, AA585325, AA585329, AV662288, AV699204, AV662268, AV701034, AV701132, AV662223, AV662149, AV701468, AV701030, AV681528, AW962603, AV742733, AV701311, AV699098, AV744949, AV681514, AV681512, AV699156, AV699139, AW951316, AV699196, AW962629, AV739506, AV701223, AV699175, AV662289, AA585430, AV743048, AV699197, AV645339, AV701059, AV758536, AV740765, AV681506, AI525306, AV698330, AV692714, AV699129, AV662207, AV699167, AV699119, AV739001, AV662196, AV740192, AV758756, AV662302, AV681525, AV735331, AV701451, AV745948, AV662319, AV746382, AV746276, AV701390, AA585327, AR070327, A94995, AX020191, AV701201, AV753656, AW952650, AV735489, AA585327, AF135243, AB005666, A85395, A85476, AR031365, AX020190, AR038669, A30438,

				AR074545, AB035274, AR008429, U46128, AI294956, AR067731, A43190, AR031358, A44281, Z83798, AR062872, AJ007320, A91667, A91666, AR062871, A91750, A84772, AR060142, A84776, A84773, A84775, A84774, AR017826, AX018972, X93517, AX000478, AX000480, AX000474, AX000476, AX021518, AJ131952, AR037157, AX034425, AR028672, A70899, D26022, X82786, X55499, AB005559, AX040461, AR032065, I50122, U82676, A83076, AR074139, A43192, A25909, Y13161, AX015821, A64136, A68321, X94368, AX043922, AF071266, AR060134, AX003194, I50133, A70872, AX023385, AR008408, AX035434, AF219920, A70869, X92518, Z79475, M60510, AR029417, AR060138, A63261, AR060137, D88110, AB027145, U79666, AJ000347, I50128, AF134119, I50126, I50132, X84816, I94990, AJ009991, AJ012010, Z79435, AF016705, Z29381, D34621, AR087528, Z31700, U89315, AR060057, AR028671, X16918, A70898, D14015, AR068047, A44216, AR016691, and AR016690.
HODIV85	421	1009857	1 - 628 15 - 642	W63650, AC004975, AR077702, A82595, AR060385, AB002449, AR070327, I14842, AR087649, A84916, AX027925, AB028859, I79511, AJ132110, A62300, A62298, AR054175, AR008277, AR008281, AX033851, AR018138, AR008278, AF058696, and AR016808.
HOOJO38	422	1009918	1 - 704 15 - 718	AL531631, AI983085, AL527211, AL526194, AI923500, AI819615, BE901824, AI635186, BG122272, BE728419, BG260421, BG109146, BG024689, BE796594, BE738377, BE731685, BG109875, AW516253, BE794629, BF025942, BE391594, AL528184, BE727443, BE736477, BF795001, BF026707, BG028283, BF794434, BG255190, AI590711, BE562472, AL531630, AL518218, BG104271, BF965976, BE274333, AV762986, BE729263, BF984059, AW473190, BF338886, AA737352, BE251289, AV655988, BE871215, BE385375, AU123120, BE537431, BF795361, BE563141, BG179543, BE389545, BE279135, AW102952, AI992206, BE274788, AI564728, AA804870, BF663213, BE294212, BE389212, BE277137, AI890776, BF794711, BE894574, BE409929, AV752081, BE793519, BE280595, BE263958, BG165237, BF663378, AV758987, AI890733, BE410686, BE253511, AI458832, BE900482, BE279951, BE782108, BG116106, BF685318, BE385945, BE409462, BF684482, AI589325, BE900553, BF025688, BG104183, BF965657, AI445978, BE261172, BF975083, AI951212, BG024839, AW780427, BF971859, BG028059, BG253625, AV761980, AI683852, BF663906, BE388565, AI434960, AI499080, BE391963, BF683866, BE407371, BE313286, AI683168, BG033353, BE269180, BE260812, AW571765, BF568157, BE273792, AI432555, BE729573, BF679984, AI689491, AL526345, AW410284, BE391998, AV763312, AW269852, AW149044, BF663343, AI871089, BF183135, BE273288, AV682486, AW130195, AL518217, BE275734, AW239186, BE384226, BG165891, BE898135, BE907411, BE265210, AW440291, BE313877, BE280533, BE260744, BE902943, BE544441, BE251633, BF131800, BF568884, AW104857, BE898978, BE206852, BG260357, BE391257, AW583713, BE397380, AW613264, BE614507, BE280528, AW247198, BG027893, BE786936, BF697381, BF124948, AW327828, BE742851, BE740337, BF664259, BF038698, BE895951, BE390445, BF700485, AA131182, AI635179, AW087993,

AI538294, AI564607, BE900282, BG121206, AW583229, AV761459, BF768491, BF698208,
BE257306, BF965288, BF797605, AA186408, T54904, BF313756, BF034873, BG164605,
BF239175, BF698085, BE349520, BE387747, AI439987, AW089954, BE905505, AI830288,
BE614079, AV655845, BF701831, BG111470, BF103852, BE901832, BG104310, BE799127,
BE255096, AA595113, BE546883, AW510618, BG027720, BE042566, AW589277, AI811732,
AW328651, BE737918, BG166147, AV760492, BF797192, BE262149, AW328104, AI305807,
BE869721, BF665950, AI560072, BF792481, AA156072, BF663004, BE277352, AW962638,
BF528939, AW328255, AA155988, AW196654, BE785386, BF212312, BG112504,
AW250504, BF102911, AA565375, BF316997, BF530752, BF983981, BF130790, BF681614,
BF663026, AW248221, BE787847, BE386734, L10376, D87735, U16738, U92982, X94242,
AC012519, AL024507, AF076465, A74662, T55071, T39601, T39602, T58423, H18295,
H18296, H61292, H75719, N66523, W33126, AA041473, AA075224, AA079870, AA148179,
AA172375, AA186997, AA216354, AA483910, AA523582, AA533494, AA547964,
AA551326, AA551712, AA593136, AA594859, AA605170, AA622257, AA632659,
AA574408, AA662338, AA665007, AA720772, AA729209, AA746929, AA747114,
AA747767, AA810354, AA862264, AA888420, AA894488, AA937252, AA961651,
AA987692, AI053411, AI053413, AI053470, AI053490, AI053498, AI053502, AI053523,
AI053557, AI053558, AI053618, AI053630, AI053636, AI053634, AI053646, AI053652,
AI053658, AI053660, AI053670, AI053730, AI053733, AI053781, AI053785, AI053794,
AI053803, AI053819, AI053825, AI053886, AI053887, AI053938, AI053958, AI053966,
AI053973, AI054035, AI054085, AI054155, AI054158, AI054248, AI054300, F17955,
W03302, F17994, AA064941, AA074718, AA156890, AA160326, AA186414, AA192900,
AA649821, AA065328, AA065331, F21677, D19767, T47158, T58373, AI246805, AI246806,
AI246807, AI246837, AI246842, AI246846, AI246844, AI246915, AI246916, AI246961,
AI246968, AI246988, AI247056, AI247061, AI247145, AI247149, AI249294, AI249303,
AI249325, AI249396, AI249423, AI249540, AI249598, AI249610, AI249636, AI249646,
AI249844, AI249999, AI250017, AI250072, AI250093, AI250115, AI250137, AI250190,
AI250191, AI250198, AI250212, AI250335, AI250562, AI250952, AI250973, AI251035,
AI251038, AI251039, AI251064, AI251071, AI251076, AI251077, AI251094, AI251282,
AI251342, AI251523, AI252049, AI252320, AI252365, AI252394, AI252437, AI252533,
AI252581, AI252736, AI252732, AI252752, AI254881, AI254920, AI254994, AI255006,
AII44037, AII44103, AI269530, AI270166, AI270801, AI270818, AI270831, AI270845,
AI270905, AI270911, AI270921, AI270970, AI271014, AI271055, AI271075, AI271131,
AI271145, AI271157, AI271159, AI271169, AI271196, AI271249, AI271259, AI271287,
AI271293, AI271295, AI271305, AI271312, AI271315, AI271320, AI271401, AI271479,
AI271591, AI271594, AI275271, AI284616, AI284757, AI284762, AI284763, AI284767,
AI284824, AI287767, AI289678, AI289681, AI289700, AI289359, AI289377, AI289557,

AI302389, AI305881, AI305921, AI305917, AI305923, AI305987, AI306023, AI306036,
AI306087, AI306092, AI306102, AI306178, AI306204, AI306253, AI306290, AI306293,
AI306288, AI306306, AI306316, AI306345, AI306813, AI306828, AI306838, AI306844,
AI306847, AI306865, AI306874, AI306892, AI306891, AI306907, AI306910, AI306932,
AI306931, AI306938, AI306980, AI307041, AI307044, AI307047, AI307050, AI307058,
AI305298, AI305302, AI305323, AI305324, AI305354, AI305356, AI305368, AI305362,
AI305375, AI305388, AI305397, AI305396, AI305434, AI305460, AI305481, AI305504,
AI305535, AI305588, AI305596, AI305604, AI305611, AI305636, AI305715, AI305735,
AI305743, AI305750, AI305783, AI305792, AI305798, AI306110, AI307711, AI307506,
AI307519, AI307837, AI307844, AI307861, AI307873, AI307922, AI307935, AI307942,
AI308252, AI308266, AI308288, AI308293, AI308321, AI308411, AI308482, AI308500,
AI308565, AI308620, AI309089, AI309157, AI309165, AI309437, AI309668, AI309691,
AI309811, AI310034, AI310260, AI310298, AI310300, AI310547, AI310556, AI310618,
AI311293, AI311621, AI311625, AI311871, AI312140, AI312225, AI312244, AI312269,
AI312294, AI312457, AI312469, AI313303, AI334502, AI334514, AI334521, AI334734,
AI335142, AI336630, AI336740, AI337717, AI337753, AI340375, AI340479, AI340598,
AI340622, AI340692, AI340755, AI340764, AI340786, AI340787, AI341014, AI341018,
AI341020, AI341033, AI343054, AI343108, AI344881, AI345071, AI345098, AI345139,
AI348948, AI348949, AI349071, AI349672, AI349693, AI349727, AI349780, AI349851,
AI349893, AI349894, AI349953, AI350030, AI357422, AI345771, AI345793, AI367458,
AI371652, AI436499, AI436547, AI432883, AI431552, AI431552, AI435725, AI435744, AI473009,
AI473050, AI471159, AI471453, AI492802, AI492813, AI567281, AI580544, AI580580,
AI580587, AI580626, AI580637, AI581234, AI581246, AI581256, AI581260, AI583305,
AI583350, AI583372, AI583460, AI583457, AI583471, AI583769, AI583790, AI583862,
AI583903, AI583932, AI223476, AI223521, AI223526, AI223536, AI223540, AI223574,
AI223605, AI223620, AI223709, AI223719, AI223724, AI223749, AI223876, AI223945,
AI224186, AI224220, AI224229, AI224225, AI224298, AI224315, AI224428, AI224630,
AI224668, AI224670, AI224677, AI224682, AI224701, AI224719, AI224717, AI224730,
AI224732, AI224791, AI224828, AI224829, AI225163, AI225172, AI225186, AI225190,
AI225264, AI185566, AI265737, AI265762, AI266756, AI590464, AI591241, AI609840,
AI610007, AI611501, AI611618, AI611873, AI611903, AI612017, AI612049, AI613407,
AI680180, AI888325, AW071253, AW071271, AW071333, AW071354, AW071367,
AW073024, AW073618, AW074771, AW074927, AW074944, AW075204, AW268054,
AW268084, AW268207, AW268222, AW268244, AW268289, AW268737, AW268912,
AW268969, AW271059, AW271117, AW271139, AW271873, AW272013, AW273965,
AW274104, AW274208, AW188746, AW301788, AW301876, AW301904, AW302300,
AW302437, AW302645, AW302661, AW302710, AW302801, AW302843, AW302840,

| HAOSI69 | 423 | 1009949 | 1 - 4383 | 15 - 4397 | AW302927, AW302964, AW303015, AW303021, AW303147, AW303179, AW303194, AW303225, AW303237, AW303239, AW303252, AW303642, and AW304667.
AL518153, AL514204, BF690166, AL518152, AL514232, AU119073, AI347077, AU141798, BE732782, BE733859, AI186525, AI087288, BF310427, BF690424, BG036070, BE314678, BF982297, BE408935, BF034889, BF026282, BG113234, BE735456, BG249149, BG254771, BE261734, BG164248, BE384352, BG108338, BG166752, BG164026, BG104433, AI912334, BE410400, AI824103, BE382880, BE909819, BG164480, BG180537, BE390020, BE882944, AU123945, BG260903, BG122650, BE879705, AW080962, AA425549, BE408324, BF984892, AI814595, AI953979, AI453532, AI382164, BE396090, AI073747, BF337213, BE539444, BE047090, AL521610, BE273543, BG168476, BG253147, W67603, AI624162, BE899510, BF315611, BG254192, AA425389, BE409154, BG025942, AI689037, BF800051, AI288304, AI081104, AA599485, BE613371, BF689940, BE617351, AA148042, AI276505, AA577596, BE274186, AA516104, AA948080, BG165628, BG167809, AW169156, AU159265, BF061548, W67604, AI333594, AI366087, AW771113, AI351505, AI499061, AA908347, N26056, AA642944, AI023701, AL521609, BE895819, BG027950, AA160603, BE407745, AA403248, AL514203, AI284911, AA563710, BE390287, BE881555, AA487700, W46412, AI755078, AI289794, AA402387, AW770816, BE909356, AI753397, AW771076, H98049, BG153386, AI311390, BE873437, AI660881, BF984639, AI741468, BE893074, BE892029, W44436, BF088795, AI700678, AA148043, BE537043, AW292848, AI073353, BF088796, AI366117, BG112974, AI272818, AL135581, AA100801, BG167152, AA631077, AI085348, BF109995, BG111588, BE091204, BE164704, H99284, AI055890, N32676, AI633564, AI740837, AA613344, W92651, BF750470, AI278890, BF769504, AW503909, AI123599, AA226806, AI273471, AI298125, AI571777, AA403090, BF207039, AI095335, AA100854, AA102307, AI344561, BF082578, AI924926, N42086, W95203, AA029402, BF741015, AI146884, AI921518, BE167894, AI190622, W46300, AA100676, AA983722, AW954336, AI346589, N40420, BE612645, AI066484, AW369618, AA994114, W44495, AI752230, AA699584, BE718794, AA909844, AW514883, AA113245, AA133137, BE075271, BE075108, BF763944, AA525859, BE718798, AI752231, BF998505, BE718788, BE718805, AW298822, BE718809, BE541980, W48631, BE276181, AI079968, H20622, BE718795, BE772730, N27141, BF838848, BF762434, BF762460, AA151696, AI873252, BE080779, AI274886, AA113772, BF762443, AW263140, AI568929, N75459, BF798824, BE772750, BF689500, BE772733, BE772741, AA535600, AW264602, AW275281, BE926624, AI339890, AI168564, BE081115, AA126942, BE080727, AA453606, AA064623, AI620604, H66084, AI271377, BF750338, AA076431, AW131206, AR028135, I23762, Z23022, I96214, AR034830, M74092, AR043601, AR043602, AR043603, X75207, S78355, M64403, D14014, U40844, L09054, Z29078, I23763, AR034840, U00682, AF212040, S71637, AF182716, AF067056, AF148946, X66970, AR034527, AC004093, AC005743, AF029728, AF267747, AC004686, AC018767, AC068808, |

					Accession numbers
					AC069550, AC010137, AC009233, AC019176, I77237, T77451, T89175, T92084, R18074, R37210, R42969, R42969, R76299, R81200, R81309, H24970, H25674, H26436, H27925, H27926, R89428, R97329, H51747, H51748, H97348, N20142, N40078, N55320, N71757, N72201, N99099, W03329, W23852, W24123, W38317, W39350, W46567, W46650, W48728, W49709, W60289, W60380, W94586, W94768, AA025369, AA063257, AA062709, AA064665, AA064713, AA064705, AA076515, AA113072, AA113073, AA112340, AA113821, AA127152, AA128851, AA156319, AA156380, AA158286, AA160096, AA160820, AA207064, AA204678, AA227101, AA227161, AA502628, AA533833, AA622062, AA622148, AA632154, AA576367, AA662304, AA662686, AA807411, AA864225, AA887065, AA918965, AA962503, N26775, U47703, C03791, C05786, AA062689, AA642544, AA642544, AA454736, AA487486, AA705388, AA780573, AA852165, AA852218, AA852219, AA906539, AA934071, AI042556, AI074344, AI080448, AI084717, D20540, AI245645, AI143740, AI150778, AI659596, AI350704, AI674613, AI758455, AI864756, AI918938, AI932951, AW302501, and AW440672.
HSDIY67	424	101015 7	1 - 1951	15 - 1965	AL526028, AL526085, AL529838, AL535461, AU120059, BG109937, BE780488, AI871620, AL529837, AA557390, BE779119, BE048954, AW300798, AI983510, AI356030, AA991670, AW026416, AI338588, BE697112, AA670019, BF109571, AA205947, AV682666, AI660386, AA975600, BE697110, R19774, AW961461, AW779506, H27830, AA359481, AA905792, BF927854, Z20638, BF355680, AI381389, AI748877, AA092002, R45193, BF369972, AA317627, AW664962, H27599, AI802448, AA007505, BF352188, BF802323, AA358233, BF802322, AW891751, BE670864, BF511450, AW891686, BG035631, BE267560, BE877499, BF814357, AW020710, AI888501, BF752999, AV764282, AII50993, BE536058, BG031791, BE965621, AI340519, AI473808, AI538885, AW020397, AW949931, BF032768, BG252315, AW152182, AW268072, AW813006, AW268261, AW089572, AI312325, AI612885, AI923989, BE965599, BF753056, BE877142, AV755614, BF904194, AI859991, BE047833, AI345415, BF914297, AV733745, AI312542, AI624529, BF338002, BF798503, AA579618, AI609128, AW935969, AV757996, BE963838, BE176248, BG107576, BE965732, BE966278, BE967187, BE889038, AK021950, AF226056, A75291, AC004383, S60260, AL133665, A77033, AL080124, I48978, AK025414, AF119896, AF114170, AJ299431, A18777, Y16645, AK026642, AF119871, AB048953, AL110196, AF026124, AF090934, AK024992, A93016, AF116676, A77035, AF067790, AF130055, AX045627, S79832, AF022363, AF119865, I48979, X83508, I89944, AF065135, AL359583, U88966, AC002467, AF110640, AK027200, AL049276, AK025435, AB052191, AL137533, L137478, AR000496, AL049382, U39656, Y08616, AL050092, AF116688, AK026528, AL137478, AR000496, AL049382, U39656, Y08616, AK025465, AR068751, AF210052, AF119859, and AK026784.
HSDZM65	425	101029 9	1 - 1348	15 - 1362	AI344321, AW194980, AW162622, AW161811, BE69903, AW960568, BF589126, AI701104, AU154426, BE045555, BF033598, AW853100, BF971574, BF814791, AI970794, AI934386,

| HPDOC39 | 426 | 1010400 | 1 - 1107 | 15 - 1121 | AW593616, AW103951, AI041491, AA242841, AI625865, AI434874, AA401314, AI566521, AI290621, AV749577, AW971727, AA401315, BF476537, AA758230, AI189006, AI817795, AI299825, AI990246, AI400410, AA836980, AI926242, AA400271, N40047, AI203327, AA905174, N21388, N27113, AA136709, AA377492, BF970685, BF197098, AI685731, AW995523, BG255683, BF154433, BF815971, N26455, AA714986, AA469449, BF814570, H99346, L44440, BF814320, AW339852, BF815976, BF817808, BF815188, BF814315, BE788737, BF967003, AA635589, BF816840, BF815182, AI434558, BF817686, BF815658, F01166, R52284, AA781063, BF816868, AA830536, AI982710, AW518858, AI687944, AW771192, AA614183, N52724, BF680375, AV757813, AI208492, BE568290, AW276289, AW995466, AI686601, AA854353, AI636039, BF081570, AW770845, N31343, AA136807, AA467778, N68998, AI699561, BF222527, AV751433, AA525819, BF221739, AA317135, AI869288, AA523694, BE328340, BF109122, AA304659, BF238326, AA294835, AW015496, AI811007, AW295210, BF211839, AI743045, AW664342, AW418500, BF669202, BF345830, BF669114, BE768108, BE768037, BE768028, BF831299, BE536835, R38111, BF815223, AB037768, AL136504, AK001684, AJ010953, AF181120, AF189723, M93017, AF230532, AF225981, M93018, and AF181121.

 AL518597, AL521465, AL521860, AU142321, AL519163, BE791154, AV710439, AU137468, BG108541, BE875817, BE908178, BE794167, BE616810, BE797530, BG177616, BF791974, BE563172, BF203748, BG122611, BF983927, AU138928, BF304118, AU136676, BG256808, BG166547, BE908232, BE900747, BF981499, BE259007, BF984319, BF982660, BF203883, BE889058, BG121889, BE409876, BG028149, BE886412, AU135659, BE409111, BE777856, BE396964, BE891193, BE737086, BG252022, AW608289, BG115304, BF303724, BE888387, AW392529, BE562432, BE258634, BE889878, BE269473, AI174700, BF794665, AU134289, BG254012, BE254220, BE252060, BF215570, BF691292, BE295498, BE297846, BE409000, BE259383, BE259293, BG106782, BE780774, BF792473, BE539784, BE269036, BF699793, BE936340, AW978187, BF984873, BE089821, AW392532, BE409484, BE884858, BE872222, BF983743, BF983915, AL044183, BE268220, N28894, BF087516, AA488136, BF800736, BF027913, AA143588, AU139273, AI815968, AW405832, BF674380, H11682, N42210, BF336934, W31775, N56608, N40261, BF810364, BG171478, AA805505, AA101513, AA101590, BF203625, AA085473, AI080684, AA338102, H85230, AW235051, AA552394, AA354823, BE645922, AI375591, AA356478, AA189014, AW392524, AA425206, BF083740, BE782032, H73591, AA159876, BG164729, H73817, AA373687, AA912092, BE083129, BF894997, AA356309, AW892368, AW835598, T89376, BG011455, AI128815, BE698610, T24902, H49162, AI565353, AA295075, W04674, N29653, BG117269, AA975223, AW381345, R58308, AL521859, AI445105, BE999943, R85283, AL521464, AL519162, BE813178, T80058, AW837148, AF130113, AB009282, AR052337, AC009032, Y12517, and X96392. |

HE2PS15	427	1010525	1 - 600	15 - 614	BF244650, AW961558, AW248089, AW967334, BG029757, AV701568, BF219959, BF694529, BE791161, BF037860, BF696944, BF678089, AI186311, BF220033, BF219215, AI148765, AI582766, AI806566, AI209154, AI144495, AW305249, AI189759, AI478931, AA569869, BF965022, N30742, AA569868, AI491886, AI038347, AV739006, AI807215, BE391925, AL046958, BE858225, AI936891, AV742884, AW169997, AA742511, AI251732, AV715771, AV717459, BF668463, AI363204, AI057284, AL046957, AW182041, AI827188, AA115690, AA651663, AA978142; W30854, W15644, AA707791, N94563, AW249748, AA654862, N80826, AV764171, AI005595, BE896961, T90621, W31005, AA284212, BF965077, AV711844, AV734517, AA531530, AI132988, AW592487, AV733754, AV727768, BE565651, BG231096, BF245459, AV717832, AV745224, AV744752, AI190937, BE280227, F30153, AA953551, D53844, AV715232, BF216076, H91807, AA134308, N41841, BF244274, AA983553, AA134316, AA134315, AV746231, BE866551, F28648, H87571, AA468556, AA974508, AI066796, AI305827, AA554533, AA308101, AA654533, AW470941, AA548236, AA884280, AI244424, AA903485, AW023614, AA557186, AA864769, AA283903, AA650169, AA081589, AW183938, BE892296, BF679200, F36175, AA084667, AW275122, AI302453, AV739848, BE843421, AV741558, AA746065, F27405, AA907836, AA305437, AA852663, H92083, AA654036, T84144, BF247506, AA279759, T89384, BF209126, AA552449, AA906338, AA972090, AA133509, AA730939, AA626444, N56092, AA865834, AA215865, BG230951, H91708, AA134307, AI420622, AA937615, AW975237, AI040250, AA664941, AV746261, N98724, AV746266, F36194, T24920, AA369378, AW105551, AA506732, T83147, AV754243, N56408, F30237, H03246, AA341970, F18332, AA330234, AA635717, AA836574, AW189710, W30743, AI264957, BE074950, BF831201, AA730937, F18565, AA092677, AW975227, AA664664, AI701784, BF527500, AA665052, AA521064, AA094070, H03245, AA552043, BE693458, AW886065, AI000083, AI128403, BF571166, AI674940, AI200568, N94464, H95707, AA657887, AI038336, F20977, BE673362, AI332537, BF683735, AI674878, L25345, F37912, BF239600, AI336903, AA654565, AF054175, and AF116639.
HTTKH22	428	1010596	1 - 1790	15 - 1804	BG258097, BE565269, AW970826, BE972364, AW104509, AI935735, AA948090, AI149846, AA564462, BE972491, BF241442, BE144496, AA429521, AA741348, AI357926, AW296387, BG150242, AA412328, AI589867, AW205827, AI916262, T15665, AW090362, AI933368, R12639, BF360955, R20539, AI480273, AI698477, BF083192, BF083189, BF083190, BF229315, BF743777, BF083194, BE972369, AA825483, BE767465, AW371194, BE543997, BE768945, BF229316, AB046777, and AC009464.
HNOJG33	429	1010698	1 - 1694	15 - 1708	AL514076, AU136058, BE871934, BF037005, BE734065, BG121727, BF340061, BE300394, BF203968, BF204799, BE300047, BE538261, AV761233, AW409777, BF805377, AW409668, BF205527, BF816400, BF679197, AV724965, BF206008, BE467989, BF445887, AI903791, AI500392, T64826, AA860771, BG152814, AI382895, AI903792, AW373027, F12113,

HPDVK48	430	1011090	1 - 1811	15 - 1825	AI740878, H84580, AI369972, H38748, T97648, AA248719, BE537116, BE711210, BF817487, AL514075, R10203, T97682, AA316821, BF003096, AA339588, AW005868, N42355, H24794, AA364975, AU076536, AV742658, BF155770, BF081246, AA772366, BE677850, W96073, AA095922, AA091703, BF307175, AA324375, U01160, AC000028, U81031, S78432, and AJ388529.
HNORJ10	431	1011186	1 - 2847	15 - 2861	AI817702, BE734213, BG109696, BF343215, BG031900, BE902597, BF027605, BF027576, BE893930, BF591342, BE732160, BE384437, AI870638, AI816966, BF974651, BE732127, AW082941, AI955901, AI588852, T51227, T51341, BE732330, BE733010, BE799315, AA688018, BF827100, AB029041, D43921, D88508, and D88505.

AU134078, AU119820, AU133300, AU126958, AU130520, AU133937, AV702394, BE877191, BE881502, BE877741, BG108056, AU119090, AU128582, BE782436, BE894349, AU133707, AI755105, AU116910, BG258563, BE788956, AV683379, BG118247, BE778857, AV702635, AU137107, BF965897, BG176784, BF976801, BE884018, AW239292, AI081900, BF978507, AW952777, BE875732, BG027117, BE877650, AI755063, BE878670, AV751366, AW949916, AI814464, BF678160, BG108194, BF571686, AW467192, AU154668, BE535701, AW392400, AA429941, AU146064, AW410667, AU155188, AW410666, AW994720, AW952816, AW129607, AI983856, AU143874, AU157027, AI922802, BG112073, AU153845, AU149778, AU152436, BE778846, AU150846, C06050, BG118808, AU153441, BF211683, AI204482, BF210654, BF217005, AW304738, AA887584, BF240843, BF678567, BF692112, BF571072, AA760671, BF923330, BG250728, BG119747, AA937180, AA504114, AW630580, BF696849, AW130041, AW055333, AU145515, C75335, AW237574, BE565110, AU130502, AI559451, BF572471, BG108209, AW080347, BEI76786, BF340233, BF345008, BE737877, BE179704, AA410905, BF699275, AI042306, BF691962, AI752907, AI192876, AI924084, BF349490, BF246432, AA594633, BF794025, AI754970, N66338, AI342267, AA628679, AW674966, AW272202, AI673480, AW835336, AU156216, BE696419, AA171565, AW079029, BE696416, BF982798, AI921994, BF699321, BE696412, AW440948, AA664266, AI572874, D83902, AI754356, AI569623, AI625058, AW468158, BE539716, C75346, BE696421, AI541217, AA244037, D56430, AW794837, BE464416, AU149708, AA613984, AI520695, AA789181, AI818726, AA653377, BE738338, AW835340, AA156339, D53682, AW860422, AW800395, BF691025, AA598526, BEI78042, AA904195, AW768275, AA204639, AW674968, AL121041, AA152250, BF919693, BE925260, AA367404, AW615031, BG260753, AA848082, W47003, AW862545, R71408, BE696408, AW860808, T32121, AA627976, BF690899, BF917679, BE937469, AA446236, D81210, AI721007, AW860804, D81637, AA659654, AA037225, BE184816, N23467, AW750094, AI476075, BE764312, M85743, AI446812, AI758576, T32145, BE177013, AA757693, BE712842, BF921651, BE767238, AA853819, BF326140, AI273910, AA279252, AA381186, BE160136, BE244985, AA152260, BE937463, AA508507, D83831, T35966, AA206071, AW753040,

					AA463528, BF350600, AA853818, AI826048, T10441, BF902633, T30084, AA664662, AA296747, T32012, BF081538, AU127062, BF351535, AA294865, AW194536, AW389667, BE154256, BE764183, BE764188, R71621, AA339945, AI590860, BE764172, BE764166, R71117, AA847057, BF081731, BF355957, AL121085, BE764191, AW273705, U29165, U22431, AF207602, AF207601, AF208487, AF050127, AL137129, U85044, AB018398, X72726, X95580, AF003695, U59496, AF057308, AB013746, Y09507, Y09085, AF004155, AF050124, AJ227916, AF050123, AF004152, AF050122, AF004149, AF050121, AF004148, AL049780, AC007055, AF050126, AF050125, AF004154, AL133057, AF154121, AL122049, AL162062, AF218253, X56530, AL049423, AL133607, E04257, AL133015, E12888, AL133053, AL133049, AF119894, AL133081, AL122101, E13998, AK026442, AL133076, AL133608, W47022, AA504372, AA714314, AA091910, D11752, AA788713, T10413, T10820, AI453464, AI684085, AI933855, and AW439013.
HPDRG92	432	101120 9	1 - 347	15 - 361	AL529603, T96738, R90778, H47758, AL529602, R94024, AA323896, AL523542, AL525995, N51812, AB033116, and AK001713.
HOFMQ81	433	101130 3	1 - 915	15 - 929	AL119457, AL121894, Y11587, AF118064, I48979, AF113690, AF130082, AF130104, AF130105, S78214, AF116646, AL110221, AF130075, AF113691, AF090934, AX046603, I89947, AF116602, AL389978, AF116639, AB048953, AF113694, AF118070, AL133640, AL157431, AB049758, AF078844, AL050393, AF113013, AF130059, AL117457, AL133016, AF116644, A08916, AF125949, AF111847, S68736, AL133606, AL359596, AF090900, AR079032, AF116691, AL359601, AF090943, AJ242859, AF116688, AF116631, AL110196, AF218014, AL390167, AL080060, AF138861, L31396, L31397, AF104032, AL049938, AL442072, AL117460, AL050146, AF119878, AL137527, AL162083, AF113689, AF130092, AF090903, AF090901, AL090901, AF113676, AL080124, AF113677, AL050277, AL122093, AL133093, X84990, AX019230, AF113676, A08913, AK026608, AK026045, AB019565, AF090896, AB048964, AX019229, A08913, U42766, AL050116, AF106862, AB041801, AK025339, AK025084, AK000212, AL050149, U42766, AL122050, AK026741, AF119875, AL050108, AK026855, AF219137, AL133075, AK025772, AL122050, AF113699, AK025092, AB047615, AL049314, AK025958, AF158248, AL133080, E07361, AF113699, I48978, AL133565, AL389982, AL122123, AF017152, AL137459, AF113019, AL162006, I48978, AF146568, AL133565, AB050510, AK026583, AL049466, AF111851, AL133557, E03348, AL359618, AF146568, AF119909, AK026784, AX006092, AL117585, AF116649, AK027096, AF119899, AK026744, AF137557, AF207829, AK000618, AL050138, AL359941, X63574, AL080137, AL122121, AL137557, AF207829, AK000937, AF125948, AF091084, U91329, Y11254, AF017437, X82434, AK026504, AJ000137, AF314091, AK026452, AK026647, AK000083, AL137283, AK026533, Y16645, AK000137, AF314091, AL117394, AK000445, AL353940, AF177401, AF079765, AB048954, AJ238278, AK026927, AK026592, AB051158, AR087170, AL110225, AK024538, A65341, AL359615, AL049430, AK000652, AL049300, AK026353, AK026532, AK025484, AF116610, AF242189, AK027113, AK000652, AL049300, AK026353, AK026532, AK025484, AF116610,

Clone	SEQ ID NO	Clone ID	Range 1	Range 2	Accession Numbers
HOFNF27	434	1011315	1 - 748	15 - 762	AL133560, AR011880, AF097996, AK025391, AK025491, AK026534, AL137550, AK026086, E02349, A08910, AX042059, AK026542, E07108, AB052191, AL049464, AL117435, A08912, AX026824, AX026823, A58524, A58523, A77033, A77035, AF067728, AK027204, AK026528, A03736, AB047904, AK000432, AF225424, AK026959, AF271350, AL133258, AF130099, AF130066, AB034701, AK025967, AF116682, AL117583, AL050024, U00763, AL122098, I33392, AF177336, and AL049382. AW665000, AL521066, AA089566, Z44690, F05145, AL514786, AI678039, AU131437, BEI67328, AA926992, AA249468, AW971745, AW804686, AW392670, BE695785, AW861944, AW604723, AW877209, AW858526, AW858525, AL119483, AL119319, AL119324, AL119355, U46349, AL119457, BE705906, AW577135, AW372827, AW384394, AW861889, AW858455, AL119497, AW363220, Z99396, AL119484, AL119363, AL119391, U46350, U46347, U46351, U46341, AL119443, BF868687, AL119444, AL119341, AL134538, AL042984, BF868697, AW604726, AL119439, BF868684, BE705905, AL119522, AL119396, U46346, AL043011, AL119335, AL037205, AL134533, AL134920, AL134524, BE705904, AL119399, AL043029, AL119496, AI142137, AL134531, AL119418, AW861954, U46345, AL042614, AL043033, AL042544, AL042965, AL042975, AL042450, AL042542, AL043019, AL043003, AL119464, AL042551, U90716, Y07593, AP000967, AF200465, AP001670, AL163204, AF124598, AF109645, Y10320, AF109646, Y11929, U90715, AF169366, AF242865, AF242864, AF169365, AF169364, AB026436, AR060234, AX046357, AR054110, AJ251859, AX030435, A81671, AJ279014, AR066494, AR069079, and AR043113.
HOFND52	435	1011316	1 - 591	15 - 605	AW971745, AW392670, AW804686, AW604723, BE695785, AW861944, AW858526, AW858525, AL119443, AW384394, AW383394, AW861889, AW858455, AW363220, BE705903, BE705906, AW577135, AW372827, AL119497, AL119319, U46346, AL119363, AL119324, BE705905, AL119484, U46341, AW604726, Z99396, AL119391, AL119355, U46350, U46351, U46349, BF868697, AL119444, AL119483, AL119439, AL119335, AL119496, BE705904, AL134518, AL119399, BF868687, AL134538, BF868684, AL119522, AW861954, AL037205, U46345, AL042965, AL042614, AL134527, AL119418, AL042542, AL042450, AL042970, AL043029, AL042544, AL043019, AL042984, AI142134, AL042551, AL119488, AL119464, AB026436, AJ251859, AX030435, AJ279014, AR054110, A81671, AR060234, AX046357, AJ251089, AR066494, AR069079, and AR080280.
HOFNI96	436	1011321	1 - 563	15 - 577	
HOFNF53	437	1011332	1 - 2384	15 - 2398	AF228061, AX014812, AF228060, AF228059, and AX014811.
HOFMU61	438	1011361	1 - 1296	15 - 1310	

HOFOF35	439	0	1011499	1 - 731	15 - 745	AL520120, AU120794, AU142824, AU142738, AL524453, AL516006, AL531636, AL528608, AU135451, AW960802, BE255275, AF034175, BE251549, BE267417, BE787485, BG260926, BE866693, BF204561, AW402296, AW879901, AA130293, BE783678, AL536177, BE890412, AA026038, BF933394, AW995929, AF061738, AK022055, S65367, and AC006160.
HULFJ37	440		1011537	1 - 901	15 - 915	AL528378, AU129753, AL523012, AL523055, BE881260, AL536136, BE379029, AI936124, AW157228, BF036785, BE907027, AI246564, BF684205, AW163233, BF032696, AW167783, BF115257, BE908959, BF206407, AW966037, BF058749, BE905304, AA873153, AI814898, AI653634, BF033796, AW167930, BE908776, BE612522, AL523011, BE312284, BE315082, AL528507, BE260964, AA657525, AA846556, AA581813, AW170322, AI675942, AU126752, AW073723, AW439343, AL536135, BE294834, AA905511, BF983613, BE736100, AI672867, BE271931, BE563428, BF033808, AA565888, AU151827, AU126743, AA443893, AU126776, AU126631, BE048096, AI288014, AI349513, AA605069, AA947686, AI354687, AI344761, AA968896, BG110190, BF036720, AA837515, AU126400, BF035189, AW473570, AA857612, AW243736, AI350498, AI363381, AA677118, AA670096, AA427949, AU151595, BE350678, AW182617, AI560969, AU129491, AV699411, AA622740, AA444088, AV700357, AI283102, AI689102, AA569487, AA126127, AA554302, AI653485, AV745161, AL516918, AI354641, AA856700, BE613105, AI358308, AA071541, AI243590, AI546836, AW005289, W76149, AA244008, AI422558, AA775927, AA063086, AA650016, W72586, AW001140, AV698390, AA550916, N92857, BE904189, AI546843, AA773276, AI302461, AL520795, W25583, AI127036, AU126711, AA037265, AA340693, AI185816, AA160689, AL516917, AA885582, BE866790, AA155767, AI904529, AI564903, AA659174, AW474443, AI051519, AA121966, AI494596, AI689031, BF743597, AI351481, BF743584, AI814052, AA428047, BF155259, BF761628, H99387, AA921901, BF799202, AI970995, AU126531, AA687198, AL520794, AA635808, AA126065, AI972309, AW170212, AA928381, AA364687, BF799608, AI784469, AA065175, AA232437, BF114899, AV702749, BE765150, AI758612, AA090244, AI363998, AI868371, AW150636, AI869410, BF743525, AA092613, N31429, BF689044, AA065174, AI566999, BF155224, C18016, AA525365, AI924384, BF743523, AA528748, AI784640, T28360, BE694608, AA095763, T54666, W19684, AI184108, AI536700, BF688256, AI214861, AA069147, AA834416, BF743622, AA340127, BF063999, AI819683, AA232438, BG055557, BG153008, N90030, AA075883, N88126, AA612817, BF434087, T50502, AA330721, BF743541, AA565183, AA092202, AV697304, AI364889, AI699968, AA428951, AI360411, BG222691, AI908085, AA292397, BF330544, AA630996, R72795, AA155766, AA095477, AA402271, AW366864, AA236707, AW371105, AA720944, BE832973, AI633889, T50637, AI989937, AA055038, AA121965, BE171278, W04805, AA069239, AW496797, T54753, AW799852, AX014110, X55110, I15236, M94250, D10604, AX015411, E04786, M69148, E12896, M34094, AB036426, M34327, M35833, AB025023, M19662, M34328, M61754,

HOFME75	441	1011607	1 - 1010	15 - 1024	AA063136, and AA155768. AL523165, AL515551, AL537265, AL520260, AL531902, AL533764, AL538449, BF725283, BE271314, BE744146, BE314972, BE514630, AU124220, BF980436, AW239518, BE745207, BE909798, BE266432, BE313375, BF984861, AW162833, AW629964, AW239222, BE019917, AI144171, BF515784, BF128026, AW239501, BE745633, AL531408, BF528125, BF984074, BF983109, AW238810, AW675333, BE887799, BG165843, AW239055, BF036003, BF688322, BF036176, BF314875, AA243255, AW068310, BG253491, AI750829, BG120518, AA114212, AA227340, AL528807, AA488270, BF036567, D83174, AB044778, AB044779, AB010273, X61598, M69246, X60676, J05609, AF100413, D12905, AB044780, AB044781, AF202899, AF178675, and D12906.
HOPKO74	442	1011608	1 - 2246	15 - 2260	AL515550, AL520259, AL523164, AL525036, AL534019, AL537265, AL538449, AL533764, AL520260, AL531902, AL515551, AL523165, AL525035, BE379543, AU123661, BE741174, BE742224, BE741994, BE741741, BE742340, BF725283, BE740889, AI635814, AU124220, BE744987, BE744146, BE747153, BE744655, BG253433, BE745129, BF343576, BF033082, BF980436, BE877236, BF038485, BF338799, BE906099, AW151151, BF037069, BE272242, AI336307, BE898327, BE378159, BG116704, BE514864, BE314972, BG120943, AW239501, BE304338, BE514630, BE909798, BE271314, BE742968, AW162833, BF984861, AL038803, AI754209, BG028129, BE272350, AW239518, AA114175, AL038804, BF128026, BE868537, AI752340, AW239222, BE266432, AA641717, AA205447, BE620098, BE745207, BE313375, AW629964, AA176157, AA191544, W68054, AW629878, BE207655, AA454490, BE067208, BE221309, AA315647, AW364803, BE910175, BE910339, AA101234, AA565572, BF684840, AI049605, W92720, AII46365, BE019917, AA305265, AI863019, AA293056, W58348, AA565247, AW162724, AW338826, AI141482, AA987259, AW087936, AI954500, BF688322, AW517393, AL531408, AI755228, AA723072, AW069806, AI336074, BF528125, AI268308, BF984074, AI366790, AI144171, AI811037, AW150385, AI922017, AII91471, AA514403, AA733081, AA565401, AA873716, BF983109, R71440, AI753928, AI927706, AI131532, BF036219, BF695480, AA678650, AW368086, T57921, AI753517, AW238810, AA565403, AI332734, AW339060, AI884409, BF515784, AW950609, AI204058, AW955479, AA651706, AI291428, AI204251, AI479680, AI825961, AI829909, AW192557, AW087929, AA010142, BF983082, AI361591, AA025341, AA070470, AI635486, AII46535, AI355374, AI752341, AI190787, AW674813, AW675333, AII85961, BF314875, AAI30318, T55713, BE745633, AA995846, W58473, AI890829, BF739075, AI690876, AA507465, AW304986, BG253491, AI827289, AA315478, AA889243, AI097500, AA564102, AI249028, BE887799, AW029503, AI401571, AA029192, AA293371, AI499166, AW614931, AA010141, AI589642, BE328767, AW005099, AA719959, AL531407, AA206070, AA971287, AW274613, BE206417, AA457512, AA219278, AA679718, AA777200, AI144387, AA613547, AI313366, AI874203, AV722770, AW176048, BF308081, W96392, W70032, AA974224, AI829452, AW239055,

	AA114212, AA113086, AA719888, AI261819, AII86833, AI204697, W90053, AI073350, AA741410, AW069208, R53590, F29705, BF034093, AF114026, AA593371, AI752119, AA617759, W69896, W92677, AW069619, BF036003, BE545929, AI022263, AI184313, H48922, AI423241, AA769870, AI086549, AA599379, AA488270, AA083759, AW069662, AI917564, AA062635, AA680026, D83174, X61598, AB044778, AB044779, X60676, M69246, AF100413, I05609, AB010273, AB044780, AB044781, D12905, D12907, AF202899, D12906, AF178675, M93337, D12903, T55755, T58004, T58019, T77958, R02515, R06762, R23652, R26567, R34381, R34501, R39573, R39641, R51920, R62765, R66785, R67411, R67890, R70145, H25787, H27187, H27188, H30088, H42143, H48923, H50600, H79971, H79972, N35242, N66740, W02767, W17395, W19787, W24796, W57709, W57785, W58567, W58568, W63560, W68088, W72289, W76315, W79310, W79391, W90013, W96391, AA022927, AA022957, AA027272, AA027357, AA029191, AA029601, AA035705, AA035797, AA037451, AA053811, AA062752, AA062792, AA062806, AA063575, AA070547, AA070767, AA070768, AA074337, AA074424, AA076389, AA076541, AA082409, AA083758, AA085755, AA102504, AAli2210, AA112542, AA130317, AA224586, AA227340, AA232233, AA243255, AA506361, AA513020, AA531171, AA563809, AA565445, AA565614, AA581671, AA603816, AA630885, AA935685, AA973585, AA995414, N63234, N79967, C00802, N83160, AA063308, AA089640, AA075295, AA102503, AA205423, AA219380, C75440, C75483, C75573, C75616, AA599543, AA599869, AA665895, AA457607, AA732961, AA777000, AA853384, AA853385, AA853474, AA853475, AA852653, AI002951, AI074211, T11182, F02939, F04875, AI289442, AI301519, AI302427, AI335287, AI339391, AI352578, AI361278, AI445549, AI564203, AI584040, AI127582, AI139519, AI143218, AI148369, AI184043, AI184415, AI199970, AI279690, AI312559, AI342450, AI687404, AI811186, AI922718, AI926019, AI950526, AI983469, AI984195, AW080576, AW081570, AW084337, AW102837, AW103222, AW058280, AW073143, AW074693, AW166777, AW275209, AW275233, AW188726, AW193611, AW194171, AW078796, AW338150, and AW439469.			
HCBBA51	BF314829, AV712857, AW135421, AV756013, AV711642, AV706459, BE389248, AV762758, BE298463, AW873404, AV761365, BF974361, AV694674, BE385529, AV712150, AA035773, BE896094, BG028321, AA056334, AV712521, AA229819, AA314724, BF184153, BF244433, C14341, W68503, AA401339, BE378847, BF314729, AV751410, AV761330, BE378783, C14299, AV713770, BG059393, C14483, C14221, AV717163, AA308273, C14336, C14385, BE019161, AV709556, AV693316, AV764302, F21255, C13986, AV712395, BF696046, F24961, AA328328, BG230851, AW440694, AA135681, BE395394, W68387, BE730209, AA228680, AW009033, AA747774, C14434, BF941581, AI223384, AA622053, BF244539, AA010723, AI202387, AI073496, W07371, AI208241, AA533423, BE787471, AI223417, AV726474, AV728017, AV728046, F24716, AV726003, AW960673, AA853968,	443	101175	15 - 475
			1 - 461	

Clone	No.	ID	NT	AA	Accessions
					BF128944, BF313606, BE541408, BE384218, AI025140, N69946, BF683985, AA151292, AV757952, AI150810, AI378443, BE313118, AA315459, AA635767, AA491891, N69079, N56655, AA186392, AI707619, C03984, BE563035, AI708439, AA034221, BE906876, AA151293, BE275427, BE728346, AA873167, F24063, AA228662, W42660, AI718982, BE744775, N80244, AA969768, BE735641, T34897, W72685, AW170321, AI016268, BE263116, BG112628, AI708120, AA814124, BG031187, AV711886, W77791, AA564612, BE409239, BE409231, AA722903, AI066527, BE395618, AA729365, AA187084, BE390282, BE736548, BF804909, BE390266, BE390634, AV753766, W80646, BF217830, BF664435, AI075691, AA757220, AA922807, AA308272, AW182757, AA354607, AA132021, AA594511, AI087293, AI300747, AW275224, BF210527, AA644450, AA903981, W74708, W45185, AA181331, AA468802, AW583165, C15788, C14504, AA973174, AA93667, AA470869, N30323, AV746947, AA548946, AW275200, BG029405, F28368, AI343724, F24779, BE294521, AA132124, AA974282, AI087145, F36109, AI303012, N98327, AA135594, AA600707, AW572289, AII29063, AA976458, AV712801, AA747035, BE737600, BF130711, BF382470, AI378997, AV716066, AA329263, AI735513, AI253570, C14380, F33238, AI341567, AI749684, F26265, AA977143, F33782, AA011171, BF438354, BE738165, BE045124, AA026357, F26564, BE735946, AA483684, BE566649, BF210070, D51943, BE735942, W55989, F31642, AI299939, C14396, AA303645, AA662887, BE388378, BE394221, AI337512, AII26257, AA373945, F19035, T35109, BF132228, F27569, AA962592, T30067, T34058, AI279207, BF241003, AI695702, AA321693, BF229468, AA366019, W56279, BF217823, AW372974, AII88019, BF915829, BF213092, F28612, AA033537, C14513, AF052955, AF077045, AK026556, AL109840, AC010102, X16978, AF010323, W74677, W80647, AA062820, AA514852, AA563674, AA639353, AA664589, AA886626, AA903495, AA983332, F19464, Z19731, Z19733, F21953, AI302406, AI313106, AI199688, AI223418, AI253527, AI695164, AI696728, AI766380, and AI826670.
HDHEB13	444	1011773	1 - 1157	15 - 1171	AI916779, AW304481, AA732948, AI288625, AW965223, AA443244, AA194106, W79527, BF511014, AI038644, AA443206, W93527, AA346195, W79559, BE296248, BE269743, AX039965, and AX039975.
HDTMG36	445	1011821	1 - 453	15 - 467	BF972066, BF245607, AV703472, AV682014, AL038000, AV721711, BF219386, AII33475, BF594923, BE837022, F22763, BF370629, BE830051, BF679794, BF693415, BE829971, AA528724, BE830055, AI479313, BE830057, F28205, BE717593, BE830025, BE836965, AA101196, BF973420, BE830061, BE830020, BE830059, BE818317, AA639940, AV734206, BE829966, AA501447, BF829985, BE830033, BE674258, AW772601, AA558672, BE837016, BE829982, BE830028, BE829988, AA082523, F36038, BE818328, BE836968, BE717560, AA603906, BE717609, F25953, BF975287, BE830032, AA886834, BE795191, F20554, BE830031, AI459928, AA747245, AA722455, AI417855, AA888508, BF837014, AII26653, AW102672, AII50214, AI479343, AW510846, BF109983, AA248555, AA559212,